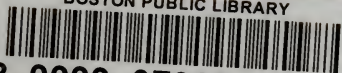


BOSTON PUBLIC LIBRARY



3 9999 07939 318 5

51.5. Anne

★ 5967.106

1930-45

U. S. Dept. of Agric.
Weather Bureau

PERIODICAL

Agricultural Library

JAN 21 1931

THIRD FLOOR

*5967.106

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU

ANNUAL
METEOROLOGICAL
SUMMARY

WITH COMPARATIVE DATA
1930

BOSTON, MASS.

COMPILED BY
G. A. LOVELAND
METEOROLOGIST

BOSTON MASS.
1931

C30

.16

:B74

930

MISCELLANEOUS DATA FOR 1930.

Barometric Pressure (reduced to sea-level). Mean, 30.00 inches; highest, 30.88 inches, January 11; lowest, 28.98 inches, November 25.

Temperature. Greatest monthly range, 69°, February; least monthly range, 36°, July. Highest mean temperature of three consecutive days, 83°, Aug., 3-5; lowest mean temperature of three consecutive days, 18°, February 16-18.

Precipitation. Longest period without precipitation, 29 days, Sept., 9-Oct., 7. Longest period with precipitation, 8 days, Jan., 9-16. Greatest amount in 24 consecutive hours, 3.35 inches, Oct., 15-16. Maximum amount in 5 minutes, 0.22 inch; July 14; 10 minutes, 0.39 inch; July 14; 15 minutes, 0.43 inch; July 14; 30 minutes, 0.57 inch; Oct. 15; 1 hour, 0.97 inch; October 15.

Frost. — Last killing frost in spring occurred on April 24. First killing frost in autumn occurred on October 21.

Snow. Greatest snowfall in 24 hours, 5.3 inches, February 15-16. Greatest depth of snow on the ground, 5.3 inches, February 16. Last snow in spring occurred on April 8; first snow in Autumn occurred on October 25.

Thunderstorms. First thunderstorm, March 26; last thunderstorm, September 6.

MONTHLY AND ANNUAL PRECIPITATION

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Anl
1818..	2.64	3.49	4.05	6.15	5.96	3.47	4.08	0.46	7.81	2.11	1.91	0.86	42.99
1819..	0.70	2.27	6.21	3.74	3.06	3.56	2.02	4.38	5.29	1.40	1.22	1.63	35.48
1820..	3.12	4.25	4.90	0.45	5.08	3.42	4.19	5.15	2.43	5.39	3.00	2.80	44.18
1821..	1.41	4.42	2.53	4.90	4.84	2.79	2.35	1.58	4.73	2.29	3.12	1.93	36.80
1822..	1.29	2.34	2.02	2.99	0.78	3.54	4.32	1.20	2.15	2.53	2.58	1.46	27.20
1823..	3.00	4.57	7.72	2.21	6.40	0.93	5.74	1.98	1.95	3.95	1.92	6.93	47.30
1824..	3.95	5.99	1.81	4.72	1.43	1.60	0.88	3.68	6.43	1.01	1.72	2.80	36.02
1825..	2.79	3.43	4.70	0.37	1.36	4.77	1.24	5.62	2.66	3.21	0.81	4.38	35.34
1826..	2.55	1.48	3.81	1.50	0.25	3.85	2.90	12.10	3.03	3.80	2.31	3.56	41.14
1827..	3.92	2.97	2.51	4.75	5.34	2.56	2.59	4.88	4.81	5.28	5.71	3.59	48.91
1828..	2.15	2.79	1.84	2.00	4.67	1.59	4.58	0.37	3.82	2.79	5.55	0.26	32.41
1829..	4.93	5.62	4.30	3.45	2.71	1.64	6.98	4.95	2.62	1.65	5.74	2.26	46.85
1830..	2.36	1.63	3.51	1.21	3.93	3.46	4.90	2.64	5.65	2.38	5.32	5.96	42.95
1831..	4.44	3.68	3.07	6.97	3.65	4.32	5.53	5.57	3.83	4.42	3.20	2.93	51.61
1832..	4.47	3.74	2.65	5.56	7.27	0.50	3.41	6.14	2.07	2.46	3.57	4.85	46.69
1833..	2.96	2.53	2.71	2.30	1.03	3.23	2.01	0.82	2.83	6.00	5.53	5.86	37.86
1834..	1.39	1.13	0.96	2.93	6.33	3.09	7.71	2.47	3.71	4.62	2.90	2.36	39.60
1835..	3.25	1.37	4.27	4.54	2.07	2.74	9.07	2.89	1.31	1.87	2.08	2.40	37.86
1836..	8.84	3.57	2.90	1.58	1.85	4.33	2.12	1.53	0.54	4.04	5.43	4.13	40.86
1837..	4.10	4.14	3.02	3.07	5.79	2.98	1.80	1.67	0.56	1.58	2.35	2.46	33.52
1838..	3.07	2.77	3.09	2.62	3.32	2.55	1.20	4.26	9.87	5.02	3.95	0.80	42.52
1839..	0.95	3.11	1.18	7.73	4.27	2.25	3.32	5.70	2.00	2.50	1.71	6.35	41.10
1840..	3.12	2.57	4.55	4.60	2.23	2.78	2.93	4.00	2.12	4.48	11.63	4.15	49.16
1841..	6.00	1.60	3.50	8.82	1.90	1.95	2.10	4.20	2.86	3.80	4.55	5.77	47.05
1842..	0.80	3.20	3.35	3.50	2.90	5.30	1.82	4.44	3.25	0.80	4.45	5.30	39.11
1843..	2.20	6.08	6.17	3.88	1.60	4.61	2.15	6.88	0.98	4.82	3.40	3.92	46.69
1844..	3.68	2.42	6.00	0.20	2.72	1.40	2.17	2.62	3.53	5.80	3.15	3.85	37.54
1845..	4.58	4.25	3.83	1.23	2.82	2.05	3.28	1.82	2.23	4.00	10.25	5.98	46.32
1846..	3.12	2.95	2.73	1.23	2.02	2.25	2.51	1.80	1.30	1.35	4.17	4.52	29.95
1847..	3.28	4.70	4.77	2.20	2.03	4.09	2.65	6.45	6.64	1.05	5.12	3.95	46.93
1848..	2.30	3.90	4.05	1.40	6.30	1.73	1.35	3.10	3.55	5.10	2.25	5.95	40.98
1849..	0.35	1.15	7.35	0.90	3.10	1.45	0.85	6.25	1.25	8.10	5.50	4.05	40.30
1850..	4.59	2.52	5.32	4.82	6.63	2.77	2.70	5.30	7.15	2.10	3.32	6.76	53.98
1851..	1.30	4.20	3.88	9.37	3.31	1.80	3.09	1.27	3.50	4.43	5.51	2.65	44.31
1852..	4.85	2.85	4.45	10.18	1.95	2.35	3.25	7.63	1.65	2.19	3.47	3.09	47.94
1853..	2.44	5.30	2.27	3.78	5.63	0.30	3.64	9.40	3.80	3.92	4.43	3.95	48.86
1854..	2.91	4.87	2.84	6.63	4.33	2.47	3.70	0.58	3.86	2.08	6.80	4.64	45.71
1855..	7.22	4.67	1.18	4.28	1.20	3.09	4.15	1.46	1.13	4.61	5.27	5.93	44.10
1856..	5.32	0.80	1.33	4.37	7.10	2.90	4.02	11.11	4.90	2.70	3.33	4.28	52.16
1857..	5.36	2.45	3.09	10.83	5.57	2.02	5.53	1.18	2.56	4.50	2.52	5.26	50.87

MONTHLY AND ANNUAL PRECIPITATION—Continued.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Anl.
1858..	3.28	2.30	2.18	5.18	3.89	8.09	4.56	7.03	5.02	3.03	3.38	4.73	52.67
1859..	5.93	4.05	7.64	3.36	3.63	7.89	1.58	4.72	4.40	3.28	3.75	6.47	56.70
1860..	1.89	3.85	2.19	1.73	2.35	8.01	5.90	4.30	7.35	2.66	5.37	5.86	51.47
1861..	6.04	3.57	7.48	5.89	2.97	3.64	2.76	6.04	1.77	2.66	4.90	2.35	50.06
1862..	8.30	3.29	4.70	1.97	2.70	6.78	7.33	4.20	5.61	4.85	8.32	3.01	61.06
1863..	4.51	4.54	6.42	9.08	2.82	2.56	12.38	5.64	3.12	3.83	6.48	6.34	67.72
1864..	3.87	1.43	11.75	4.72	3.31	1.47	1.90	4.17	2.60	4.80	4.00	5.28	49.30
1865..	4.47	5.08	4.83	2.57	6.90	2.83	4.26	1.42	0.62	6.21	4.46	4.18	47.83
1866..	3.73	5.28	6.10	2.03	5.04	3.41	5.42	3.87	5.90	2.72	3.74	4.86	50.70
1867..	6.06	6.55	6.12	2.52	4.11	2.74	4.76	10.78	0.44	6.76	2.32	2.48	55.64
1868..	6.09	1.88	5.04	6.94	10.38	3.79	1.10	7.53	11.95	1.78	5.31	2.32	64.11
1869..	4.03	9.98	8.74	2.05	6.88	4.44	3.30	2.19	5.18	6.71	3.74	9.04	66.28
1870..	8.16	7.03	4.88	8.42	2.58	7.59	4.01	1.57	0.67	6.80	4.40	3.62	59.73
1871..	0.92	2.63	4.55	3.79	4.34	5.55	3.22	3.08	1.30	5.88	6.42	3.38	45.06
1872..	2.11	2.31	4.05	1.31	3.29	4.84	4.00	10.68	6.04	4.85	3.66	3.09	50.23
1873..	5.76	3.21	3.76	3.83	5.16	0.54	3.84	6.21	2.91	5.33	8.34	5.64	54.53
1874..	4.32	3.41	1.60	7.97	3.71	3.94	3.47	6.67	2.05	1.39	2.85	2.14	43.52
1875..	3.68	3.74	5.04	4.92	3.76	7.25	3.93	3.50	3.12	4.99	5.47	0.75	50.15
1876..	1.87	4.54	7.19	3.61	2.70	1.72	5.86	1.23	3.84	1.66	11.03	3.71	48.96
1877..	3.33	0.45	9.79	4.19	3.38	3.21	2.27	4.49	0.60	8.84	9.62	1.32	51.49
1878..	7.60	4.40	5.91	6.14*	1.03	2.28	4.58	7.66	3.47	6.76	8.94	6.76	65.53
1879..	2.79	4.35	3.90	6.58	0.97	6.24	3.09	6.71	1.84	0.91	2.97	4.22	44.57
1880..	3.72	4.11	3.25	2.85	1.63	0.75	6.86	2.90	2.36	3.15	2.30	3.32	37.30
1881..	7.21	4.89	9.86	1.66	4.16	7.79	2.96	1.23	2.50	2.84	3.73	3.80	52.63
1882..	3.68	4.77	3.35	2.50	6.05	1.03	3.91	1.46	10.93	2.29	1.20	2.65	43.82
1883..	3.59	2.74	2.33	2.83	5.11	2.07	2.73	0.39	1.50	6.40	2.08	3.71	35.48
1884..	6.27	5.74	4.86	4.76	3.31	4.01	4.25	5.01	0.31	3.17	3.03	4.46	49.18
1885..	5.33	3.00	1.15	3.30	4.26	3.70	1.44	7.64	1.70	5.71	5.78	2.09	45.10
1886..	7.08	7.04	3.20	1.70	3.08	1.34	1.81	3.64	2.73	3.27	3.59	3.66	42.14
1887..	4.86	3.69	3.86	2.62	1.67	1.98	3.59	3.05	0.97	2.53	2.22	2.71	33.75
1888..	2.26	2.36	3.32	2.04	5.20	2.69	1.79	6.53	6.77	3.58	4.97	4.38	45.89
1889..	4.11	1.54	1.19	3.07	4.15	2.77	5.80	3.95	3.19	3.31	4.91	1.83	39.82
1890..	2.60	2.29	5.88	2.29	4.48	2.21	1.93	2.70	5.04	5.63	0.97	3.72	39.14
1891..	4.39	3.66	3.94	1.71	1.56	3.06	3.73	3.87	2.29	5.50	2.35	3.58	39.70
1892..	4.62	2.15	3.91	0.93	5.15	3.05	2.56	4.87	1.90	2.31	4.45	1.12	37.02
1893..	2.56	6.22	2.80	3.13	5.23	2.20	1.72	6.46	1.59	2.94	1.83	5.16	41.84
1894..	3.01	3.15	1.01	3.78	4.12	0.80	3.09	3.03	2.14	5.11	3.10	4.28	36.62
1895..	3.79	1.11	2.72	3.65	2.71	1.73	2.95	3.24	1.53	6.19	8.07	2.45	40.17
1896..	2.25	3.94	5.41	1.56	1.68	2.71	2.90	2.15	6.40	3.15	3.70	1.70	37.55
1897..	3.16	2.12	2.79	3.17	4.00	4.46	4.22	3.95	2.38	0.41	6.19	3.92	40.77
1898..	3.50	4.81	1.82	6.39	4.33	1.60	4.42	6.38	1.93	7.17	5.32	2.19	49.86
1899..	4.19	3.03	5.95	1.29	0.81	2.86	2.52	2.52	5.09	2.40	2.51	1.52	34.69
1900..	4.20	6.83	4.60	1.90	5.07	1.85	2.69	2.46	4.62	3.41	4.17	2.25	44.05
1901..	1.56	0.66	6.58	7.43	6.31	1.31	5.20	3.25	2.50	3.02	2.41	8.49	48.72
1902..	1.65	4.19	5.29	2.87	1.07	1.77	2.88	2.20	2.08	4.36	1.09	4.48	33.93
1903..	3.43	3.90	5.95	4.43	0.32	7.19	2.99	3.33	2.43	3.95	1.48	2.57	41.97
1904..	4.80	2.49	2.43	9.14	3.38	2.06	1.23	2.19	5.57	2.13	1.70	2.52	39.64
1905..	4.09	1.59	2.25	2.14	1.47	5.23	1.00	3.39	5.10	0.82	1.77	3.23	32.08
1906..	2.96	2.66	5.45	2.15	4.91	2.57	5.38	1.58	2.64	3.83	2.55	3.96	40.69
1907..	2.54	1.88	1.66	3.31	3.12	2.56	1.09	1.10	7.43	2.54	6.02	4.31	37.56
1908..	2.47	2.96	2.97	1.70	3.78	1.08	3.17	4.35	0.63	3.70	0.74	2.47	30.07
1909..	3.94	4.71	3.28	3.92	2.33	4.45	0.97	3.55	5.15	1.07	4.11	3.19	40.67
1910..	4.25	3.44	1.25	2.22	1.02	4.89	1.15	0.98	2.14	1.14	3.75	2.10	28.33
1911..	2.28	2.85	2.95	2.28	0.35	3.67	4.65	4.17	2.95	2.27	4.29	3.07	35.78
1912..	2.87	2.38	4.18	3.07	4.04	0.27	5.16	1.94	1.67	1.00	2.61	5.36	34.55
1913..	2.38	2.99	4.81	4.77	3.22	0.64	2.69	2.86	2.51	6.04	2.15	3.05	38.11
1914..	3.26	3.07	4.16	5.87	2.78	1.40	2.64	3.20	0.21	1.54	2.72	3.46	34.31
1915..	6.33	3.47	T.	1.86	1.64	1.39	8.85	5.63	0.69	2.82	2.14	3.94	38.76
1916..	1.23	5.18	3.20	4.51	2.83	5.04	5.67	2.19	1.90	0.94	1.67	3.00	37.36
1917..	2.82	2.67	3.73	2.72	4.45	4.05	1.10	7.06	1.91	5.33	0.59	2.56	38.99
1918..	3.11	2.30	3.19	3.08	1.99	1.94	2.64	1.56	9.19	0.99	1.20	3.21	34.40
1919..	3.62	2.66	4.11	2.33	4.25	1.08	4.63	5.07	5.83	2.13	5.36	1.63	42.70
1920..	2.72	5.88	3.72	5.68	5.26	5.78	1.56	2.32	1.90	1.64	5.46	3.89	45.81
1921..	2.24	2.64	1.92	4.62	3.64	3.58	11.69	1.63	1.22	1.24	6.19	2.35	42.96
1922..	1.41	2.64	4.35	2.48	5.34	8.05	2.63	4.75	3.66	1.97	0.84	3.01	41.73
1923..	6.08	1.48	2.49	5.26	0.83	2.03	3.36	1.86	0.38	3.37	2.78	4.98	34.89
1924..	3.27	2.61	2.04	3.79	2.81	1.07	2.04	6.86	6.96	0.06	1.93	1.48	34.92
1925..	3.97	1.55	5.21	2.48	2.07	4.59	3.54	1.40	3.45	4.03	3.66	5.20	41.15
1926..	2.53	5.56	2.91	1.73	3.31	1.33	6.06	3.91	1.08	3.58	4.07	3.96	40.03
1927..	2.67	3.28	1.19	1.36	2.50	2.43	4.77	6.73	2.43	3.77	4.71	5.22	41.06
1928..	1.66	2.66	1.56	4.68	3.08	5.56	1.14	2.45	4.47	2.88	1.85	2.61	37.60
1929..	3.82	3.78	2.80	7.52	2.82	2.30	1.35	2.22	0.26	2.38	3.07	4.43	37.19
1930..	2.77	2.23	3.02	2.08	3.39	2.24	3.36	3.03	0.26	5.83	4.09	2.99	35.29
M'ns	*3.51	3.31	3.69	3.52	3.24	3.06	3.50	3.74	3.04	3.36	3.71	3.37	41.05
M'ns	†3.62	3.44	3.91	3.76	3.51	3.13	3.57	3.96	3.30	3.48	3.93	3.69	43.30

NOTE.—Bold-faced figures indicate greatest and least monthly and annual amounts. *Computed from the Weather Bureau records of 60 years.

† Computed from the 113-year record, the data of years prior to 1871 being furnished by Mr. I. Y. Chubbuck, of Roxbury.

SEASONAL SNOWFALL

Years.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Season.
1871-2.....	0	T.	12.3	3.4	11.3	17.3	0	0	44.3
1872-3.....	0	0.3	23.7	11.6	8.3	5.2	T.	T.	49.1
1873-4.....	0	7.5	13.7	20.3	22.7	3.9	28.3	0	96.4
1874-5.....	0	T.	5.7	10.4	0.3	27.3	6.3	0	50.0
1875-6.....	0	T.	1.1	0.5	5.4	3.0	T.	0	10.0
1876-7.....	0	0.3	9.0	17.5	T.	15.5	T.	0	42.3
1877-8.....	T.	T.	0.8	14.3	12.6	T.	0	0	27.7
1878-9.....	0	0.3	1.2	18.2	11.9	7.8	4.0	0	43.4
1879-0.....	0	6.0	9.8	3.2	11.4	15.0	0	0	45.4
1880-1.....	0	0.8	19.2	20.5	9.0	3.1	4.2	0	56.8
1881-2.....	0	1.5	T.	15.4	17.9	5.6	0	0	40.4
1882-3.....	0	10.0	6.0	9.6	9.0	4.3	T.	0	38.9
1883-4.....	0	T.	24.4	11.9	12.5	7.7	9.5	0	66.0
1884-5.....	0.5	4.8	2.3	3.9	3.3	9.5	T.	0	24.3
1885-6.....	0	0.5	5.5	21.5	4.0	4.5	T.	0	36.0
1886-7.....	0	T.	18.5	16.0	12.0	11.5	15.0	0	73.0
1887-8.....	0	T.	6.5	13.1	9.6	12.0	T.	T.	41.2
1888-9.....	0	4.8	T.	4.5	7.5	2.2	0	0	19.0
1889-0.....	0	T.	4.0	8.5	6.3	20.3	0	0	39.1
1890-1.....	0	T.	14.5	14.8	13.8	16.2	T.	0	59.3
1891-2.....	T.	0	T.	12.0	11.5	20.0	0	0	43.5
1892-3.....	0	3.0	2.0	14.6	35.3	4.5	7.9	0	67.3
1893-4.....	0	0.4	18.5	15.0	21.6	T.	8.5	0	64.0
1894-5.....	0	6.7	13.5	13.9	8.8	3.8	0.5	0	47.2
1895-6.....	0	T.	5.2	9.5	9.5	14.5	0.2	0	38.9
1896-7.....	0	2.2	8.6	18.2	10.9	3.3	T.	0	43.2
1897-8.....	0	8.1	7.8	16.3	11.5	6.0	2.2	0	51.9
1898-9.....	0	17.8	7.7	6.1	30.2	9.3	T.	0	71.1
1899-0.....	T.	0.1	T.	8.3	9.0	7.6	0	T.	25.0
1900-1.....	0	0.1	0.8	7.8	8.8	T.	0	0	17.5
1901-2.....	0	0	12.6	11.0	13.0	7.5	T.	0	44.1
1902-3.....	T.	T.	22.8	4.2	14.7	0.3	T.	0	42.0
1903-4.....	0	0	10.6	35.7	16.5	8.9	1.4	0	73.1
1904-5.....	T.	0	12.0	21.3	8.0	3.6	T.	0	44.9
1905-6.....	0	T.	3.5	6.1	6.1	21.9	T.	0	37.6
1906-7.....	0	1.1	15.5	16.1	25.5	6.6	3.1	T.	67.9
1907-8.....	0	0	7.0	4.3	9.3	4.8	0.8	0	26.2
1908-9.....	0	T.	3.5	11.2	2.3	3.1	0	0	20.1
1909-0.....	T.	T.	12.3	11.9	12.6	0.2	0	0	37.0
1910-1.....	0	1.4	8.2	0.7	19.5	3.1	7.7	0	40.6
1911-2.....	0	0.3	3.7	17.8	0.2	9.1	0.5	0	31.6
1912-3.....	0	0.3	9.2	0.3	7.7	0.5	1.4	0	19.4
1913-4.....	0.4	T.	0.9	10.3	20.6	5.2	2.0	0	39.4
1914-5.....	T.	T.	4.1	7.0	5.1	T.	6.1	0	22.3
1915-6.....	0	0.2	6.7	4.8	30.3	33.0	4.2	0	79.2
1916-7.....	0	0.7	9.5	13.1	8.9	12.9	9.1	T.	54.2
1917-8.....	0	2.2	7.0	13.8	5.7	12.8	4.2	0	45.7
1918-9.....	0	T.	8.4	4.1	6.2	2.4	0	0	21.1
1919-0.....	0	0.2	2.9	24.8	32.5	11.0	2.0	T.	73.4
1920-1.....	0	1.8	5.5	3.6	23.2	T.	T.	0	34.1
1921-2.....	0	1.6	4.4	2.7	15.5	10.1	3.3	0	37.6
1922-3.....	0	0.9	14.7	28.0	14.3	10.6	T.	0	68.5
1923-4.....	0	T.	3.0	8.5	10.4	7.4	3.0	0	32.4
1924-5.....	0	0.5	0.2	20.7	T.	T.	T.	0	21.4
1925-6.....	T.	T.	0.5	7.4	27.6	2.8	T.	0	38.3
1926-7.....	0	T.	24.2	16.1	19.1	0.6	0.2	0	60.2
1927-8.....	0	0.5	T.	5.1	8.7	6.5	T.	0	20.8
1928-9.....	T.	1.4	4.6	13.5	21.4	4.0	0.6	0	45.5
1929-0.....	0	3.0	10.6	7.7	9.5	0.6	T.	0	31.4
1930.....	T.	0.1	7.7	.....	.....	.....	.....	.....	.....
Means.....	T.	1.6	8.1	11.7	12.5	7.6	2.3	T.	43.8

EXTREMES OF PRECIPITATION AND WIND.

Month.	Snowfall 1871-1930			Precipitation. 1871-1930			Wind. 1871-1930 Corrected to 3-cup values.			
	Great- est in 24 hours	Year.	Day.	Great- est in 24 hours.	Year.	Day.	High- est ve- locity.	Di- rec- tion.	Year.	Day
January	14.7	1897	28	3.25	1881	21-22	52	ne.	1886	9
February	16.0	1921	20	4.45	1886	12	49	e.	1880	3
March	12.0	1892	18	3.04	1877	26-27	58	s.	1877	9
April	9.1	1917	9	3.19	1921	30	49	ne.	1891	3
May .....	.....	.....	.....	3.31	1920	21-22	40	e.	1893	4
June .....	.....	.....	.....	5.35	1875	9-10	34	e.	1903	12
July .....	.....	.....	.....	6.04	1921	9	49	sw.	1879	16
August .....	.....	.....	.....	4.99	1879	18-19	40	s.	1893	29
September .....	.....	.....	.....	4.27	1924	9-10	49	n. s.	1888	26
October	0.5	1884	4	4.92	1895	12-13	44	ne.	1890	19
November	12.0	1898	27	5.43	1876	20-21	53	w.	1875	29
December	12.3	1909	26	2.87	1888	17-18	49	e.	1900	5

MONTHLY AND ANNUAL MEAN TEMPERATURES.

Year	Jan.	Feb.	Mar.	Apr.	May.	June	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Anl.
1871.	26.0	28.6	41.5	47.0	57.9	65.9	70.8	71.7	59.3	54.0	36.6	27.9	48.9
1872.	27.4	28.1	26.0	46.6	59.4	68.9	75.6	73.0	64.5	51.8	40.6	23.2	48.6
1873.	25.1	26.3	33.9	45.0	56.8	67.3	72.9	69.8	62.8	53.5	33.4	32.0	48.2
1874.	30.5	27.0	34.4	38.8	55.4	66.0	72.6	68.0	64.4	53.2	41.6	31.3	48.6
1875.	20.1	22.3	31.4	42.6	57.9	66.7	72.1	71.0	60.6	50.2	35.0	29.6	46.6
1876.	30.7	27.4	33.4	43.9	54.6	68.8	74.0	70.2	59.9	48.2	41.4	22.2	47.1
1877.	24.8	34.2	34.9	44.2	55.0	66.8	71.1	72.2	65.2	52.0	44.2	36.4	50.9
1878.	25.0	30.6	39.6	48.2	56.5	64.6	73.7	69.7	64.2	56.1	40.8	30.3	50.2
1879.	24.2	24.6	33.6	42.4	60.2	64.8	70.8	69.3	62.0	57.6	38.8	32.3	48.4
1880.	34.6	31.8	33.2	46.4	63.7	68.6	71.9	70.8	65.2	52.2	38.2	26.7	50.3
1881.	22.0	27.9	37.2	43.6	56.6	61.7	70.2	71.4	67.6	54.4	43.6	39.0	49.6
1882.	26.0	30.4	36.0	42.8	50.6	66.8	73.2	71.5	64.0	55.4	39.0	30.4	48.8
1883.	24.4	28.8	30.8	45.2	56.5	70.1	71.7	68.2	59.8	47.7	42.8	29.1	47.9
1884.	24.1	31.2	34.2	43.8	54.8	67.2	68.6	69.7	66.9	52.6	41.4	33.8	47.0
1885.	27.4	20.6	27.6	47.2	53.2	66.8	71.8	67.8	60.1	51.6	44.0	32.7	49.6
1886.	25.8	26.6	33.3	48.6	56.8	63.2	71.2	68.2	63.1	52.0	43.2	28.4	48.4
1887.	25.0	28.7	31.5	44.2	59.6	65.2	74.6	67.6	59.8	51.5	42.2	32.4	48.5
1888.	20.1	28.3	32.2	42.6	53.0	66.8	68.8	70.2	59.8	47.8	43.8	34.6	47.3
1889.	35.8	26.0	38.2	47.8	60.3	69.2	69.4	67.4	62.8	48.5	44.6	38.0	50.7
1890.	32.4	33.2	34.9	46.3	57.0	64.2	71.0	68.9	62.9	51.0	41.8	26.0	49.1
1891.	31.1	32.0	33.6	48.0	55.8	65.0	69.0	70.0	66.7	51.6	41.4	40.4	50.4
1892.	28.3	28.4	32.9	48.4	55.9	69.6	73.0	70.2	62.5	52.7	41.2	29.9	49.4
1893.	20.7	26.8	33.8	44.4	56.3	64.8	71.4	69.6	60.0	54.8	42.2	30.4	47.9
1894.	30.1	26.6	42.5	47.0	57.6	68.8	73.7	68.0	64.8	54.0	38.2	32.2	50.3
1895.	28.8	24.6	34.6	46.0	60.2	66.8	69.3	71.0	65.7	49.6	45.4	35.6	49.8
1896.	24.9	28.7	32.0	47.2	60.3	66.1	71.8	70.7	62.2	50.2	46.5	30.4	49.2
1897.	28.4	30.9	36.9	49.0	57.6	62.3	71.6	69.6	63.1	54.4	41.4	34.0	49.9
1898.	28.7	32.8	42.8	43.8	55.8	65.8	71.8	73.1	66.2	54.2	42.0	32.0	50.8
1899.	29.0	26.8	34.0	48.1	57.8	70.0	72.6	68.8	62.0	54.5	42.1	36.2	50.2
1900.	30.0	29.3	31.0	48.6	55.2	68.6	73.8	71.1	65.0	56.6	44.6	33.4	50.8
1901.	27.6	24.2	36.2	43.5	54.3	68.2	73.4	70.7	65.4	54.4	37.2	32.4	49.0
1902.	26.6	28.8	43.4	48.4	57.6	64.3	67.8	67.6	62.6	53.6	46.2	28.5	49.6
1903.	26.8	31.4	44.4	47.8	58.5	59.8	71.4	65.0	64.4	53.9	40.0	29.0	49.5
1904.	21.6	22.6	34.6	44.6	60.8	64.0	71.4	68.7	62.5	50.6	38.2	25.8	47.1
1905.	25.1	23.4	37.2	46.8	57.6	65.2	73.2	68.6	62.0	53.6	41.6	35.1	49.1
1906.	35.7	29.7	32.4	47.2	58.0	66.4	70.1	72.0	65.0	52.5	41.7	29.1	50.0
1907.	27.0	21.6	37.9	43.4	52.4	65.1	72.4	69.6	64.4	49.8	43.2	37.2	48.7
1908.	31.0	26.8	38.6	46.8	59.0	69.8	74.1	69.4	65.8	55.4	43.6	33.3	51.2
1909.	30.3	32.6	36.8	47.8	55.8	69.4	71.5	69.4	62.6	52.8	46.4	30.8	50.5
1910.	32.0	29.5	42.0	51.6	57.6	65.2	74.9	68.8	62.8	56.0	41.2	27.5	50.8
1911.	31.8	27.0	35.4	46.1	62.4	65.6	77.1	69.0	62.6	52.6	41.8	39.4	50.9
1912.	21.4	27.7	36.0	47.4	58.6	68.0	73.2	69.0	63.7	57.4	45.6	38.5	50.5
1913.	39.2	27.7	42.4	48.0	55.2	67.5	73.8	70.8	62.0	56.4	46.5	37.8	52.3
1914.	28.7	24.3	36.7	45.3	60.4	67.3	68.6	70.4	64.6	57.0	42.7	30.4	49.7
1915.	33.0	33.2	35.8	50.8	56.6	63.9	70.1	69.1	66.8	55.7	45.4	34.2	51.2
1916.	33.0	25.5	30.6	45.6	53.6	62.6	72.6	71.8	65.0	55.5	42.6	32.6	49.7
1917.	30.2	25.8	37.2	44.0	50.7	65.8	73.3	72.8	60.2	51.9	39.4	23.7	47.9
1918.	21.0	26.9	36.7	47.8	63.3	63.9	71.0	70.4	61.2	56.2	45.0	34.7	49.8
1919.	33.2	32.6	40.8	46.9	59.1	67.2	74.0	68.8	63.9	55.1	42.8	28.7	51.1
1920.	21.0	27.6	39.2	45.0	54.6	65.8	72.4	72.0	65.2	59.8	41.7	35.6	50.0
1921.	32.1	32.6	46.2	51.8	58.0	68.2	73.2	69.8	68.5	55.2	41.6	31.4	52.4
1922.	27.2	32.0	39.8	48.7	61.4	68.6	72.0	70.4	65.2	55.1	43.8	30.9	51.3
1923.	27.0	23.4	33.9	48.2	57.6	69.3	70.0	69.4	64.2	55.5	44.6	40.4	50.3
1924.	31.9	26.6	37.4	47.2	56.2	66.6	73.8	71.8	62.2	54.6	44.6	31.1	50.3
1925.	27.2	38.0	43.0	49.8	57.4	70.9	72.4	71.2	64.0	49.3	43.6	33.6	51.7
1926.	31.0	27.8	34.2	44.8	56.0	61.3	70.5	70.4	62.4	53.4	44.2	28.6	49.0
1927.	30.6	32.7	41.6	48.3	55.2	65.0	72.2	67.4	65.0	57.9	49.6	36.0	51.8
1928.	33.0	29.6	37.0	46.8	55.4	65.0	73.2	73.6	62.4	56.6	44.8	38.5	51.3
1929.	29.0	31.7	41.4	47.1	61.0	68.4	72.6	69.3	65.2	53.2	44.7	32.6	51.4
1930.	31.8	34.1	38.3	47.6	59.4	72.4	72.6	70.5	69.4	53.0	45.0	33.2	52.3
M'ns	28.2	28.3	36.3	46.4	57.3	66.5	72.0	69.9	63.6	53.5	42.5	32.3	49.8

NOTE.—Bold-faced figures indicate highest and lowest monthly means.

EXTREMES OF TEMPERATURE, 1871-1930

Month	High- est.	Year.	Day.	Low- est.	Year.	Day.
January	70	1876	1	-13	1882	24
February	68	1930	20	-11	1896	17
March	83	1921	21	-8	1872	6
April	89	1927	20	11	1874	5
May	97	1880	26	31	1882	3
June	100	1925	6	42	1884	2
July	104	1911	4	50	1877	2
August	98	1917	1	47	1894	22
September	102	1881	7	34	1914	29
October	90	1881	1	25	1879	26
November	77	1929	2	-2	1875	30
December	69	1912	6	-14	1917	30

SUMMARY FOR YEAR 1930, BOSTON, MASS.

Month.	Temperature.			Precipitation.				Sun-shine		Wind.			Number of days.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
	Extremes.			Relative humidity (percent).		Total.		Greatest in 24 hours.		Date.		Snowfall.		Number of hours.		Per cent of possible.		Average hourly velocity.		Prevailing direction.		Velocity.		Direction.		Date.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		

NORMAL AND COMPARATIVE DATA.

[Based on records of 38 to 60 years.]

BOSTON, MASSACHUSETTS.

7

Month.	Temperature.				Precipitation.			Relative Humidity.			Sunshine.			Wind.		Average number of days.														
	Maximum. [Mean]	Minimum. [Mean]	Mean. [Monthly]	Daily range.	Daily variability.	Monthly.	Greatest monthly.	Least monthly.	Snowfall.	8 a. m.	Noon.	8 p. m.	Number of hours	Possible.	Per cent of possible.	Hourly velocity.	Prevailing direction.	Clear.	Partly cloudy.	Cloudy.	Precipitation [0.01 or more.]	Thunder-storms.	Dense fog.	Snow.	Solar halos.	Lunar halos.	Max. temp.		Min. temp.	
																											32° and below.	90° and above.	32° and below.	0° and below.
January. . .	36.1	20.4	28.2	15.7	7.3	3.51	7.60	0.92	11.7	72	63	70	142	295	49	11.2	w.	9	9	13	12	1	1	6	2	2	10	0	26	1
February..	36.3	20.6	28.3	15.7	6.7	3.31	7.04	0.45	12.5	71	61	66	170	297	58	11.8	w.	10	8	10	10	1	1	6	2	2	9	0	24	1
March.	44.0	28.5	36.3	15.5	5.5	3.69	9.86	T.	7.6	70	58	68	213	371	57	12.0	nw.	10	9	12	12	1	1	4	4	2	3	0	19	0
April.	54.5	33.3	46.4	16.2	5.4	3.52	9.14	0.93	2.3	69	57	63	229	401	58	11.2	w.	10	9	11	11	1	1	1	3	2	0	0	4	0
May.	65.7	48.7	57.3	17.0	5.4	3.24	6.31	0.32	T.	70	61	69	269	452	59	10.0	sw.	9	12	10	11	2	1	0	2	1	0	0	0	0
June.	75.3	57.8	66.5	17.5	4.9	3.06	8.05	0.27	0.0	72	59	71	290	455	63	9.4	sw.	9	11	10	10	3	1	0	1	1	0	2	0	0
July.	80.5	63.7	72.0	16.8	4.2	3.50	11.69	0.97	0.0	71	66	72	296	461	64	8.8	sw.	9	13	9	10	4	1	0	1	0	0	4	0	0
August	77.8	62.0	69.9	15.8	4.0	3.74	10.68	0.39	0.0	76	61	77	269	429	63	8.3	sw.	11	11	9	10	4	1	0	0	0	0	2	0	0
September	71.6	55.6	63.6	16.0	4.8	3.04	10.93	0.21	0.0	77	62	75	232	374	62	9.0	sw.	12	9	9	9	2	1	0	1	1	0	1	0	0
October....	61.4	45.5	53.5	15.9	5.4	3.36	8.84	0.06	T.	75	58	72	197	343	56	10.0	w.	11	9	11	9	0	2	0	2	1	0	1	0	0
November.	49.7	35.2	42.5	14.5	5.4	3.71	11.03	0.59	1.6	73	65	71	141	295	48	11.0	w.	10	8	12	10	0	1	1	1	1	1	0	10	0
December..	39.3	25.0	32.3	14.3	6.4	3.37	8.49	0.75	8.1	74	62	69	136	284	48	11.5	w.	9	9	13	11	0	1	5	1	2	7	0	22	1
Year.	57.7	41.8	49.3	15.9	5.4	41.05	65.53	28.33	43.8	73	61	71	2,584	4,469	57	10.4	w.	119	117	129	125	19	13	23	20	15	30	9	106	3

EXTREMES OF BAROMETRIC PRESSURE, 1871-1930

Sea Level Pressure

MONTH	PRESSURE					
	Maxi- mum	Year	Day	Mini- mum	Year	Day
January	31.00	1920	31	28.67	1913	3
February	31.03	1920	1	28.86	1916	26
March	30.96	1904	5	28.53	1914	1
April	30.72	1911	12	28.86	1907	9
May	30.56	1903	2	29.11	1929	17
June	30.57	1884	15	29.26	1923	27
July	30.51	1892	7	29.38	1888	12
August	30.46	1918	19	29.26	1924	26
September	30.65	1888	7	29.18	1885	23
October	30.75	1879	3	28.97	1925	25
November	30.86	1887	30	28.73	1873	18
December	30.96	1887	1	28.80	1915	14

MAXIMUM PRECIPITATION, 1901-1930

Maximum precipitation in 5 minutes.....	0.55 inch,	August 7, 1908.
Maximum precipitation in 10 minutes.....	0.91 inch,	August 7, 1908.
Maximum precipitation in 15 minutes.....	1.12 inches,	August 7, 1908.
Maximum precipitation in 30 minutes.....	1.45 inches,	August 7, 1908.
Maximum precipitation in 1 hour.....	1.80 inches,	August 24-25, 1901.
Maximum precipitation in 2 hours.....	2.45 inches,	July 1, 1915.

FROSTS

Average date last killing frost in spring, April 14.
 Latest date last killing frost in spring, May 16, 1882.
 Average date first killing frost in autumn, October 26.
 Earliest date first killing frost in autumn, September 26, 1879.

THIRD FLOOR

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU

C30
.16
:B74
931

5967.106

ANNUAL
METEOROLOGICAL
SUMMARY

WITH COMPARATIVE DATA

1931

BOSTON, MASS.

COMPILED BY
G. A. LOVELAND
SENIOR METEOROLOGIST

Kirstein Business Library
JAN 25 1932

BOSTON MASS.
1932

WBO 1-21-32-1300

MISCELLANEOUS DATA FOR 1931.

Barometric Pressure (reduced to sea-level). Mean, 29.98 inches; highest, 30.64 inches, December 8; lowest, 28.87 inches, January 6.

Temperature. Greatest monthly range, 57°, May; least monthly range, 30°, March. Highest mean temperature of three consecutive days, 84°, July, 27-29; lowest mean temperature of three consecutive days, 17°, January 30 - February 1.

Precipitation. Longest period without precipitation, 11 days, Sept., 4-14. Longest period with precipitation, 9 days, Aug. 7-15. Greatest amount in 24 consecutive hours, 4.22 inches, June 9-10. Maximum amount in 5 minutes, 0.40 inch; May 21; 10 minutes, 0.51 inch; May 21; 15 minutes, 0.56 inch; May 21; 30 minutes, 0.56 inch; May 21; 1 hour, 0.88 inch; Aug. 27.

Frost. — Last killing frost in spring occurred on April 12. First killing frost in autumn occurred on November 7.

Snow. Greatest snowfall in 24 hours, 7.8 inches, January 30-31. Greatest depth of snow on the ground, 7.4 inches, Jan. 31. Last snow in spring occurred on April 8; first snow in Autumn occurred on November 6.

Thunderstorms. First thunderstorm, March 8; last thunderstorm, October 25.

MONTHLY AND ANNUAL PRECIPITATION

Year.	Jan.	Feb.	Mar.	Apr.	May.	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	An'l
1818..	2.64	3.49	4.05	6.15	5.96	3.47	4.03	0.45	7.81	2.11	1.91	0.86	42.99
1819..	0.70	2.27	6.21	3.74	3.06	3.56	2.02	4.38	5.29	1.40	1.22	1.63	35.48
1820..	3.12	4.25	4.00	0.45	5.08	3.42	4.10	5.15	2.43	5.39	3.00	2.80	44.18
1821..	1.41	4.42	2.53	4.90	1.84	2.79	2.35	1.58	4.73	2.29	3.12	1.93	36.89
1822..	1.29	2.31	2.02	2.99	0.78	3.54	4.32	1.20	2.15	2.53	2.58	1.46	27.20
1823..	3.00	4.57	7.72	2.21	6.40	0.93	5.74	1.98	1.95	3.95	1.92	6.93	47.30
1824..	3.95	5.99	1.81	4.72	1.43	1.60	0.88	3.68	6.43	1.01	1.72	2.80	30.02
1825..	2.79	3.43	4.70	0.37	1.36	4.77	1.24	5.62	2.66	3.21	0.81	4.38	35.34
1826..	2.55	1.18	3.81	1.50	0.25	3.85	2.90	12.10	3.03	3.80	2.31	3.56	41.14
1827..	3.92	2.97	2.51	4.75	5.34	2.56	2.59	4.88	4.81	5.28	5.71	3.59	48.91
1828..	2.15	2.79	1.84	2.00	4.67	1.59	4.58	0.37	3.82	2.79	5.55	0.25	32.41
1829..	4.93	5.62	4.30	3.45	2.71	1.64	6.98	4.95	2.62	1.65	5.74	2.26	46.85
1830..	2.56	1.63	3.51	1.21	3.93	3.46	4.90	2.64	5.65	2.38	5.32	5.96	42.95
1831..	4.44	3.68	3.07	6.97	3.65	4.32	5.53	5.57	3.83	4.42	3.20	2.93	51.61
1832..	4.47	3.74	2.65	5.56	7.27	0.50	3.41	6.14	2.07	2.46	3.57	4.85	46.69
1833..	2.96	2.53	2.71	2.30	1.03	3.23	2.01	0.82	2.88	6.00	5.53	5.86	37.86
1834..	1.39	1.13	0.96	2.93	6.33	3.09	7.71	2.47	3.71	4.62	2.90	2.36	39.60
1835..	3.25	1.37	4.27	4.54	2.07	2.74	9.07	2.89	1.31	1.87	2.03	2.40	37.86
1836..	8.83	3.57	2.90	1.58	1.85	4.33	2.12	1.53	0.54	4.04	5.43	4.13	40.86
1837..	4.10	4.14	3.02	3.07	5.79	2.98	1.80	1.67	0.56	1.58	2.35	2.46	33.52
1838..	3.07	2.77	3.09	2.62	3.32	2.55	1.20	4.26	9.87	5.02	3.95	0.80	42.52
1839..	0.98	3.11	1.18	7.73	4.27	2.25	3.32	5.70	2.00	2.50	1.71	6.35	41.10
1840..	3.12	2.57	4.55	4.60	2.23	2.78	2.93	4.00	2.12	4.48	11.63	4.15	49.16
1841..	6.00	1.60	3.50	8.82	1.90	1.95	2.10	4.20	2.86	3.80	4.55	5.77	47.05
1842..	0.80	3.20	3.35	3.50	2.90	5.30	1.82	4.44	3.25	0.80	4.45	5.30	39.11
1843..	2.20	6.08	6.17	3.88	1.60	4.61	2.15	6.88	0.98	4.82	3.40	3.92	46.69
1844..	3.68	2.42	6.00	0.20	2.72	1.40	2.17	2.62	3.53	5.80	3.15	3.85	37.54
1845..	4.58	4.25	3.83	1.23	2.82	2.05	3.28	1.82	2.23	4.00	10.25	5.98	46.32
1846..	3.12	2.95	2.73	1.23	2.02	2.25	2.51	1.80	1.30	1.35	4.17	4.52	29.95
1847..	3.28	4.70	4.77	2.20	2.93	4.09	2.65	6.45	6.64	1.05	5.12	3.95	46.93
1848..	2.30	3.90	4.05	1.40	6.30	1.73	1.35	3.10	3.55	5.10	2.25	5.95	40.98
1849..	0.35	1.15	7.35	0.90	3.10	1.45	0.85	6.25	1.25	8.10	5.50	4.05	40.30
1850..	4.59	2.52	5.32	4.82	6.63	2.77	2.70	5.30	7.15	2.10	3.32	6.76	53.98
1851..	1.30	4.20	3.88	9.37	3.31	1.80	3.09	1.27	3.50	4.43	5.51	2.65	44.31
1852..	4.85	2.85	4.45	10.18	1.95	2.35	3.28	7.63	1.65	2.19	3.47	3.09	47.94
1853..	2.44	5.30	2.27	3.78	5.63	0.30	3.64	9.40	3.80	3.92	4.43	3.95	48.86
1854..	2.91	4.87	2.84	6.63	4.33	2.47	3.70	0.58	3.86	2.08	6.80	4.64	45.71
1855..	7.22	4.67	1.18	4.28	1.20	3.09	4.15	1.46	1.13	4.61	5.27	5.93	44.19
1856..	5.32	0.80	1.33	4.37	7.10	2.90	4.02	11.11	4.90	2.70	3.33	4.28	52.16
1857..	5.36	2.45	3.09	10.83	5.57	2.02	5.53	1.18	2.56	4.50	2.52	5.26	50.87

030

16

B74

831

MONTHLY AND ANNUAL PRECIPITATION—Continued.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Anl.
1858..	3.28	2.30	2.18	5.18	3.89	8.09	4.56	7.03	5.02	3.03	3.35	4.73	52.67
1859..	5.93	4.05	7.64	3.36	3.63	7.89	1.58	4.72	4.40	3.27	3.75	6.47	56.70
1860..	1.89	3.55	2.19	1.73	2.35	8.01	5.90	4.30	7.35	2.66	5.37	5.86	51.47
1861..	6.04	3.57	7.45	5.89	2.97	3.64	2.76	6.04	1.77	2.66	4.90	2.35	50.66
1862..	8.30	3.29	4.70	1.97	2.70	6.78	7.33	4.20	5.61	4.85	8.32	3.01	61.66
1863..	4.51	4.51	6.42	9.08	2.82	2.56	12.38	5.64	3.12	3.83	6.48	6.34	67.72
1864..	3.57	1.43	11.75	4.72	3.31	1.47	1.90	4.7	2.60	4.50	4.00	5.28	49.30
1865..	4.47	5.08	4.83	2.57	6.90	2.83	4.26	1.42	0.62	6.21	4.46	4.18	47.83
1866..	3.73	5.28	4.70	2.03	5.64	3.41	5.42	3.87	5.90	2.72	3.74	4.86	50.70
1867..	6.66	6.55	6.12	2.52	4.11	2.74	4.76	10.78	0.44	6.76	2.32	2.48	55.64
1868..	6.09	1.88	5.04	6.94	10.38	3.79	1.10	7.53	11.95	1.78	5.31	2.32	64.11
1869..	4.03	9.98	5.74	2.05	6.88	4.44	3.30	2.19	5.18	6.71	3.74	9.04	66.28
1870..	8.16	7.03	4.88	8.42	2.58	7.59	4.01	1.57	0.67	6.80	4.40	3.62	59.73
1871..	0.92	2.63	4.55	3.79	4.34	5.55	3.22	3.08	1.30	5.88	6.42	3.38	45.06
1872..	2.11	2.31	4.05	1.31	3.29	4.84	4.00	10.68	6.04	4.85	3.66	3.09	50.23
1873..	5.76	3.21	3.76	3.83	5.16	0.54	3.84	6.21	2.91	5.33	8.34	5.64	54.53
1874..	4.32	3.41	1.60	7.97	3.71	3.94	3.47	6.67	2.05	1.39	2.85	2.14	43.52
1875..	3.68	3.74	5.04	4.92	3.76	7.25	3.93	3.50	3.12	4.99	5.47	0.75	50.15
1876..	1.87	4.51	7.19	3.61	2.70	1.72	5.56	1.23	3.84	1.66	11.03	3.71	48.96
1877..	3.33	0.45	9.79	4.19	3.38	3.21	2.27	4.49	0.60	8.84	9.62	1.32	51.49
1878..	7.60	4.40	5.91	6.14	1.03	2.28	4.58	7.66	3.47	6.76	8.94	6.76	65.53
1879..	2.79	4.35	3.90	6.58	0.97	6.24	3.09	6.71	1.84	0.91	2.97	4.22	44.57
1880..	3.72	4.11	3.25	2.85	1.63	0.75	6.86	2.90	2.36	3.15	2.50	3.42	37.30
1881..	7.21	4.89	9.86	1.66	4.16	7.79	2.96	1.23	2.50	2.84	3.73	3.80	52.63
1882..	3.68	4.77	3.35	2.50	6.05	1.03	3.91	1.46	10.93	2.29	1.20	2.65	43.82
1883..	3.59	2.74	2.33	2.83	5.11	2.07	2.73	0.39	1.50	6.40	2.68	3.71	35.48
1884..	6.27	5.74	4.86	4.76	3.31	4.01	4.25	5.01	0.31	3.17	3.03	4.46	49.18
1885..	5.33	3.00	1.15	3.30	4.26	3.70	1.44	7.64	1.70	5.71	5.78	2.09	45.10
1886..	7.38	7.04	3.20	1.70	3.08	1.34	1.81	3.64	2.73	3.27	3.59	3.66	42.14
1887..	4.86	3.69	3.86	2.62	1.67	1.98	3.59	3.05	0.97	2.53	2.22	2.71	33.75
1888..	2.26	2.36	3.32	2.04	5.20	2.69	1.79	6.53	6.77	3.58	4.97	4.38	45.89
1889..	4.11	1.54	1.19	3.07	4.15	2.77	5.80	3.95	3.19	3.31	4.91	1.83	39.82
1890..	2.60	2.29	5.88	2.29	4.48	2.21	1.93	2.70	5.04	5.63	0.97	3.72	39.14
1891..	4.39	3.66	3.94	1.71	1.56	3.06	3.73	3.87	2.29	5.56	2.35	3.58	39.70
1892..	4.62	2.15	3.91	0.93	5.15	3.05	2.56	4.87	1.90	2.31	4.45	1.12	37.02
1893..	2.56	6.22	2.80	3.13	5.23	2.20	1.72	6.46	1.59	2.94	1.83	5.16	41.84
1894..	3.01	3.15	1.01	3.78	4.12	0.80	3.09	3.03	2.14	5.11	3.10	4.28	36.62
1895..	3.79	1.11	2.72	3.65	2.71	1.73	2.98	3.24	1.53	6.19	8.07	2.45	40.17
1896..	2.25	3.94	5.41	1.56	1.68	2.71	2.90	2.15	6.40	3.15	3.70	1.70	37.55
1897..	3.16	2.12	2.79	3.17	4.00	4.46	4.22	3.95	2.38	0.41	6.19	3.92	40.77
1898..	3.50	4.81	1.82	6.39	4.33	1.60	4.42	6.38	1.93	7.17	5.32	2.19	49.86
1899..	4.19	3.03	5.95	1.29	0.81	2.85	2.52	2.52	5.09	2.40	2.51	1.52	34.69
1900..	4.20	6.83	4.60	1.90	5.67	1.85	2.69	2.46	4.62	3.41	4.17	2.25	44.05
1901..	1.56	0.66	6.58	7.43	6.31	1.31	5.20	3.25	2.50	3.02	2.41	8.49	48.72
1902..	1.65	4.19	5.29	2.87	1.07	1.77	2.88	2.20	2.08	4.36	1.09	4.48	33.93
1903..	3.43	3.90	5.95	4.43	0.32	7.19	2.99	3.33	2.43	3.95	1.48	2.57	41.97
1904..	4.80	2.49	2.43	9.14	3.38	2.06	1.23	2.19	5.57	2.13	1.70	2.52	39.64
1905..	4.09	1.89	2.25	2.14	1.47	5.23	1.00	3.39	5.10	0.82	1.77	3.23	32.68
1906..	2.96	2.66	5.45	2.15	4.91	2.57	5.38	1.58	2.64	3.88	2.55	3.96	40.69
1907..	2.54	1.88	1.66	3.31	3.12	2.56	1.09	1.10	7.43	2.54	6.02	4.31	37.56
1908..	2.47	2.96	2.97	1.70	3.78	1.08	3.17	4.35	0.68	3.70	0.74	2.47	30.07
1909..	3.94	4.71	3.28	3.92	2.33	4.45	0.97	3.55	5.15	1.07	4.11	3.19	40.67
1910..	4.25	3.44	1.25	2.22	1.62	4.89	1.15	0.98	2.14	1.14	3.75	2.10	28.33
1911..	2.28	2.85	2.95	2.28	0.35	3.67	4.65	4.17	2.95	2.27	4.29	3.07	35.78
1912..	2.87	2.38	4.18	3.07	4.04	0.27	5.16	1.94	1.67	1.00	2.61	5.36	34.55
1913..	2.38	2.99	4.81	4.77	3.22	0.64	2.69	2.86	2.51	6.04	2.15	3.05	38.11
1914..	3.26	3.07	4.16	5.87	2.78	1.40	2.64	3.20	0.21	1.54	2.72	3.46	34.31
1915..	6.33	3.47	T.	1.86	1.64	1.39	8.85	5.63	0.69	2.82	2.14	3.94	38.76
1916..	1.23	5.18	3.20	4.51	2.83	5.04	5.67	2.19	1.90	0.94	1.67	3.00	37.36
1917..	2.82	2.67	3.73	2.72	4.45	4.05	1.10	7.66	1.91	5.33	0.59	2.56	38.99
1918..	3.11	2.30	3.19	3.08	1.99	1.94	2.64	1.56	9.19	0.99	1.20	3.21	34.40
1919..	3.62	2.66	4.11	2.33	4.25	1.08	4.63	5.07	5.83	2.13	5.36	1.63	42.70
1920..	2.72	5.88	3.72	5.68	5.26	5.78	1.56	2.32	1.90	1.64	5.46	3.89	45.81
1921..	2.24	2.64	1.92	4.62	3.64	3.58	11.69	1.63	1.22	1.24	6.19	2.35	42.96
1922..	1.41	2.64	4.35	2.48	5.34	8.05	2.63	4.75	3.66	1.97	0.84	3.01	41.13
1923..	6.08	1.48	2.49	5.26	0.83	2.03	3.36	1.86	0.38	3.37	2.78	4.98	34.89
1924..	3.27	2.61	2.04	3.79	2.81	1.07	2.04	6.86	6.96	0.06	1.93	1.48	34.92
1925..	3.97	1.55	5.21	2.48	2.07	4.59	3.54	1.40	3.45	4.03	3.66	5.20	41.15
1926..	2.53	5.56	2.91	1.73	3.31	1.33	6.06	3.91	1.08	3.58	4.07	3.96	40.03
1927..	2.67	3.28	1.19	1.36	2.50	2.43	4.77	6.73	2.43	3.77	4.71	5.22	41.06
1928..	1.66	2.66	1.56	4.68	3.08	5.56	1.14	2.45	4.47	2.88	1.85	2.61	37.60
1929..	3.82	3.78	2.80	7.52	2.82	2.30	1.35	2.22	0.76	2.38	3.07	4.43	37.19
1930..	2.77	2.23	3.02	2.08	3.39	2.24	3.36	3.03	0.26	5.83	4.09	2.99	35.29
1931..	4.09	4.21	4.66	3.12	4.51	9.13	2.43	4.45	1.67	2.18	0.82	2.90	44.17
M's	3.52	3.32	3.71	3.51	3.26	3.16	3.48	3.68	3.02	3.34	3.66	3.36	41.02
M's	3.62	3.45	3.92	3.75	3.52	3.18	3.56	3.96	3.29	3.47	3.90	3.68	43.30

NOTE.—Bold-faced figures indicate greatest and least monthly and annual amounts. *Computed from the Weather Bureau records of 61 years.

† Computed from the 114-year record, the data of years prior to 1871 being furnished by Mr. I. Y. Chubbuck, of Roxbury.

SEASONAL SNOWFALL.

Years.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Season
1871-2.....	0	T.	12.3	3.4	11.3	17.3	0	0	44.3
1872-3.....	0	0.3	23.7	11.6	8.3	5.2	T.	T.	49.1
1873-4.....	0	7.5	13.7	20.3	22.7	3.9	28.3	0	96.4
1874-5.....	0	T.	5.7	10.4	0.3	27.3	6.3	0	50.0
1875-6.....	0	T.	1.1	0.5	5.4	3.0	T.	0	10.0
1876-7.....	0	0.3	9.0	17.5	T.	15.5	T.	0	42.3
1877-8.....	T.	T.	0.8	14.3	12.6	T.	0	0	27.7
1878-9.....	0	0.3	1.2	18.2	11.9	7.8	4.0	0	43.4
1879-0.....	0	6.0	9.8	3.2	11.4	15.0	0	0	45.4
1880-1.....	0	0.8	19.2	20.5	9.0	3.1	4.2	0	56.8
1881-2.....	0	1.5	T.	15.4	17.9	5.6	0	0	40.4
1882-3.....	0	10.0	6.0	9.6	9.0	4.3	T.	0	38.9
1883-4.....	0	T.	24.4	11.9	12.5	7.7	9.5	0	66.0
1884-5.....	0.5	4.8	2.3	3.9	3.3	9.5	T.	0	21.3
1885-6.....	0	0.5	5.5	21.5	4.0	4.5	T.	0	36.0
1886-7.....	0	T.	18.5	16.0	12.0	11.5	15.0	0	73.0
1887-8.....	0	T.	6.5	13.1	9.6	12.0	T.	T.	41.2
1888-9.....	0	4.8	T.	4.5	7.5	2.2	0	0	19.0
1889-0.....	0	T.	4.0	8.5	6.3	20.3	0	0	39.1
1890-1.....	0	T.	14.5	14.8	13.8	16.2	T.	0	59.3
1891-2.....	T.	0	T.	12.0	11.5	20.0	0	0	43.5
1892-3.....	0	3.0	2.0	14.6	35.3	4.5	7.9	0	67.3
1893-4.....	0	0.4	18.5	15.0	21.6	T.	8.5	0	64.0
1894-5.....	0	6.7	13.5	13.9	8.8	3.8	0.5	0	47.2
1895-6.....	0	T.	5.2	9.5	9.5	14.5	0.2	0	38.9
1896-7.....	0	2.2	8.6	18.2	10.9	3.3	T.	0	43.2
1897-8.....	0	8.1	7.8	16.3	11.5	6.0	2.2	0	51.9
1898-9.....	0	17.8	7.7	6.1	30.2	9.3	T.	0	71.1
1899-0.....	T.	0.1	T.	8.3	9.0	7.6	0	T.	25.0
1900-1.....	0	0.1	0.8	7.8	8.8	T.	0	0	17.5
1901-2.....	0	0	12.6	11.0	13.0	7.5	T.	0	44.1
1902-3.....	T.	T.	22.8	4.2	14.7	0.3	T.	0	42.0
1903-4.....	0	0	10.6	35.7	16.5	8.9	1.4	0	73.1
1904-5.....	T.	0	12.0	21.3	8.0	3.6	T.	0	44.9
1905-6.....	0	T.	3.5	6.1	6.1	21.9	T.	0	37.6
1906-7.....	0	1.1	15.5	16.1	23.5	6.6	3.1	T.	67.9
1907-8.....	0	0	7.0	4.3	9.3	4.8	0.8	0	26.2
1908-9.....	0	T.	3.5	11.2	2.3	3.1	0	0	20.1
1909-0.....	T.	T.	12.3	11.9	12.6	0.2	0	0	37.0
1910-1.....	0	1.4	8.2	0.7	19.5	3.1	7.7	0	40.6
1911-2.....	0	0.3	3.7	17.8	0.2	9.1	0.5	0	31.6
1912-3.....	0	0.3	9.2	0.3	7.7	0.5	1.4	0	19.4
1913-4.....	0.4	T.	0.9	10.3	20.6	5.2	2.0	0	39.4
1914-5.....	T.	T.	4.1	7.0	5.1	T.	6.1	0	22.3
1915-6.....	0	0.2	6.7	4.8	30.3	33.0	4.2	0	79.2
1916-7.....	0	0.7	9.5	13.1	8.9	12.9	9.1	T.	54.2
1917-8.....	0	2.2	7.0	13.8	5.7	12.8	4.2	0	45.7
1918-9.....	0	T.	8.4	4.1	6.2	2.4	0	0	21.1
1919-0.....	0	0.2	2.9	24.8	32.5	11.0	2.0	T.	73.4
1920-1.....	0	1.8	5.5	3.6	23.2	T.	T.	0	34.1
1921-2.....	0	1.6	4.4	2.7	15.5	10.1	3.3	0	37.6
1922-3.....	0	0.9	14.7	28.0	14.3	10.6	T.	0	68.5
1923-4.....	0	0	3.0	8.5	10.4	7.4	3.0	0	32.4
1924-5.....	0	0.5	0.2	20.7	T.	T.	T.	0	21.4
1925-6.....	T.	T.	0.5	7.4	27.6	2.8	T.	0	38.3
1926-7.....	0	T.	24.2	16.1	19.1	0.6	0.2	0	60.2
1927-8.....	0	0.5	T.	5.1	8.7	6.5	T.	0	20.8
1928-9.....	T.	1.4	4.6	13.5	21.4	4.0	0.6	0	45.5
1929-0.....	0	3.0	10.6	7.7	9.5	0.6	T.	0	31.4
1930-1.....	T.	0.1	7.7	11.7	14.0	7.3	T.	0	40.8
1931.....	0	T.	1.4	.....	.....	.....	.....	.....	.....
Means.....	T.	1.6	8.1	11.7	12.6	7.6	2.3	T.	43.9

MONTHLY AND ANNUAL MEAN TEMPERATURES

Year.	Jan.	Feb.	Mar.	Apr.	May.	June	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Anl.
1871...	26.0	28.6	41.5	47.0	57.9	65.9	70.8	71.7	59.3	54.0	36.6	27.9	48.9
1872...	27.4	28.1	26.0	46.6	59.4	68.9	75.6	73.0	64.5	51.8	40.6	23.2	48.8
1873...	25.1	26.3	33.9	45.0	56.8	67.3	72.9	69.8	62.8	53.5	33.4	32.0	48.2
1874...	30.5	27.0	31.4	38.8	55.4	66.0	72.6	68.0	64.4	53.2	41.6	31.3	48.6
1875...	20.1	22.3	31.4	42.6	57.9	66.7	72.1	71.0	60.6	50.2	35.0	20.6	46.6
1876...	30.7	27.4	33.4	43.9	54.6	68.8	74.0	70.2	59.9	48.2	41.4	22.2	47.1
1877...	24.8	34.2	34.9	44.2	55.0	66.8	71.1	72.2	65.2	52.0	44.2	36.4	50.9
1878...	28.0	30.6	39.6	48.2	56.5	64.6	73.7	69.7	64.2	56.1	40.8	30.3	50.2
1879...	24.2	24.6	33.6	42.4	60.2	64.8	70.8	69.3	62.0	57.6	38.8	32.3	48.4
1880...	34.6	31.8	33.2	46.4	63.7	68.6	71.9	70.8	65.2	52.2	38.2	26.7	50.3
1881...	22.0	27.9	37.2	43.6	56.6	61.7	70.2	71.4	67.6	54.4	43.6	39.0	49.6
1882...	26.0	30.4	36.0	42.8	50.6	66.8	73.2	71.5	64.0	55.4	39.0	30.4	48.8
1883...	24.4	28.8	30.8	45.2	56.5	70.1	71.7	68.2	59.8	47.7	42.8	29.1	47.9
1884...	24.1	31.2	34.2	43.8	54.8	67.2	68.6	69.7	66.9	52.6	41.4	33.8	49.0
1885...	27.4	20.6	27.6	47.2	53.2	66.8	71.8	67.8	60.1	51.6	44.0	32.7	47.6
1886...	25.8	26.6	33.3	48.6	56.8	63.2	71.2	68.2	63.1	52.0	43.2	28.4	48.4
1887...	25.0	28.7	31.5	44.2	59.6	65.2	74.6	67.6	59.8	51.5	42.2	32.4	48.5
1888...	20.1	28.3	32.2	42.6	53.0	66.8	68.8	70.2	59.8	47.8	43.8	34.6	47.3
1889...	35.8	26.0	38.2	47.8	60.3	69.2	69.4	67.4	62.8	48.5	44.6	38.0	50.7
1890...	32.4	33.2	31.9	46.3	57.0	64.2	71.0	68.9	62.9	51.0	41.8	26.0	49.1
1891...	31.1	32.0	33.6	48.0	55.8	65.0	69.0	70.0	66.7	51.6	41.4	40.4	50.4
1892...	28.3	28.4	32.9	48.4	55.9	69.6	73.0	70.2	62.5	52.7	41.2	29.9	49.4
1893...	20.7	26.8	33.8	44.4	56.3	64.8	71.4	69.6	60.0	54.8	42.2	30.4	47.9
1894...	30.1	26.6	42.5	47.0	57.6	68.8	73.7	68.0	64.8	54.0	38.2	32.2	50.3
1895...	28.8	24.6	34.6	46.0	60.2	66.8	69.3	71.0	65.7	49.6	45.4	35.6	49.8
1896...	24.9	28.7	32.0	47.2	60.3	66.1	71.8	70.7	62.2	50.2	46.5	30.4	49.2
1897...	28.4	30.9	36.9	49.0	57.6	62.3	71.6	69.6	63.1	54.4	41.4	34.0	49.9
1898...	28.7	32.8	42.8	43.8	55.8	65.8	71.8	73.1	66.2	54.2	42.0	32.0	50.8
1899...	29.0	26.8	31.0	18.1	57.8	70.0	72.6	68.8	62.0	54.5	42.1	36.2	50.2
1900...	30.0	29.3	31.0	48.6	55.2	68.6	73.8	71.1	65.0	56.6	44.6	33.4	50.8
1901...	27.6	24.2	36.2	43.5	54.3	68.2	73.4	70.7	65.4	54.1	37.2	32.4	49.0
1902...	26.6	28.8	43.4	48.4	57.6	64.3	67.8	67.6	62.6	53.6	46.2	28.5	49.6
1903...	26.8	31.4	44.4	47.8	58.5	59.8	71.4	65.0	64.4	53.9	40.0	29.0	49.5
1904...	21.6	22.6	34.6	44.6	60.8	64.0	71.4	68.7	62.5	50.6	38.2	25.8	47.1
1905...	25.1	23.4	37.2	46.8	57.6	65.2	73.2	68.6	62.0	53.6	41.6	35.1	49.1
1906...	35.7	29.7	32.4	47.2	58.0	66.4	70.1	72.0	65.0	52.5	41.7	29.1	50.0
1907...	27.0	21.6	37.9	43.4	52.4	65.1	72.4	69.6	64.4	49.8	43.2	37.2	48.7
1908...	31.0	26.8	38.6	46.8	59.0	69.8	74.1	69.4	65.8	55.4	43.6	33.3	51.2
1909...	30.3	32.6	36.8	47.8	55.8	69.4	71.5	69.4	62.6	52.8	46.4	30.8	50.5
1910...	32.0	29.5	42.0	51.6	57.6	65.2	74.9	68.8	62.8	56.0	41.2	27.5	50.8
1911...	31.8	27.0	35.4	46.1	62.4	65.6	77.1	69.0	62.6	52.6	41.8	39.4	50.9
1912...	21.4	27.7	36.0	47.4	58.6	68.0	73.2	69.0	63.7	57.4	45.6	38.5	50.5
1913...	39.2	27.7	42.4	48.0	55.2	67.5	73.8	70.8	62.0	56.4	46.5	37.8	52.3
1914...	28.7	24.3	36.7	45.3	60.4	67.3	68.6	70.4	64.6	57.0	42.7	30.4	49.7
1915...	33.0	33.2	35.8	50.8	56.6	63.9	70.1	69.1	66.8	55.7	45.4	34.2	51.2
1916...	33.0	25.5	30.6	45.6	58.6	62.6	72.6	71.8	65.0	55.5	42.6	32.6	49.7
1917...	30.2	25.8	37.2	44.0	50.7	65.8	73.3	72.8	60.2	51.9	39.4	23.7	47.9
1918...	21.0	26.9	36.7	47.8	63.3	63.9	71.0	70.4	61.2	56.2	45.0	34.7	49.8
1919...	33.2	32.6	40.8	46.9	59.1	67.2	74.0	68.8	63.9	55.1	42.8	28.7	51.1
1920...	21.0	27.6	39.2	45.0	54.6	65.8	72.4	72.0	65.2	59.8	41.7	35.6	50.0
1921...	32.1	32.6	46.2	51.8	58.0	68.2	73.2	69.8	68.5	55.2	41.6	31.4	52.4
1922...	27.2	32.0	39.8	48.7	61.4	68.6	72.0	70.4	65.2	55.1	43.8	30.9	51.3
1923...	27.0	23.4	33.9	48.2	57.6	69.3	70.0	69.4	64.2	55.5	44.6	40.4	50.3
1924...	31.9	26.6	37.4	47.2	56.2	66.6	73.8	71.8	62.2	54.6	44.6	31.1	50.3
1925...	27.2	38.0	43.0	49.8	57.4	70.9	72.4	71.2	64.0	49.3	43.6	33.6	51.7
1926...	31.0	27.8	34.2	44.8	56.0	64.3	70.5	70.4	62.4	53.4	44.2	28.6	49.0
1927...	30.6	32.7	41.6	48.3	55.2	65.0	72.2	67.4	65.0	57.9	49.6	36.0	51.8
1928...	33.0	29.6	37.0	46.8	55.4	65.0	73.2	73.6	62.4	56.6	44.8	38.5	51.3
1929...	29.0	31.7	41.4	47.1	61.0	68.4	72.6	69.3	65.2	53.2	44.7	32.6	51.4
1930...	31.8	34.1	38.3	47.6	59.4	72.4	72.6	70.5	69.4	53.0	45.0	33.2	52.3
1931...	30.6	30.6	39.3	50.2	60.3	67.2	74.0	72.2	66.9	58.5	49.4	36.6	53.0
M'ns	28.2	28.3	36.3	46.4	57.3	66.5	72.0	69.9	63.6	53.6	42.6	32.4	49.8

NOTE.—Bold-faced figures indicate highest and lowest monthly means.

SUMMARY FOR YEAR 1931, BOSTON, MASS.

Month.	Temperature.			Relative humidity (per cent.).			Precipitation.			Sun-shine		Wind.			Number of days.								Max. temp.		Min. temp.							
	Maximum.	Minimum.	Monthly.	Extremes.			8 a. m.	Noon	8 p. m.	Total.	Greatest in 24 hours.	Date.	Snowfall.	Number of hours.	Per cent of possible.	Average hourly velocity.	Prevailing direction.	Highest.			Clear.	Partly cloudy.	Cloudy.	With precipitation (0.01 in. or more.)	Snow (0.1 in. or more.)	Thunderstorms.	Dense fog.	32° or below.	90° or above.	32° or below.	0° or below.	
				Date.	Lowest.	Date.												Velocity.	Direction.	Date.												
January...	38.0	23.1	30.6	55	27	7	15	64	4.09	1.39	5-6	11.7	208	71	7.8	nw.	22.	ne.	6	0	14	12	5	8	5	0	1	7	0	25	0	
February.	38.1	23.0	30.6	49	13	4	1	66	4.21	1.75	18-19	14.0	170	57	8.5	nw.	24	nw.	27	0	10	6	12	9	7	0	0	5	0	23	0	
March.....	44.8	33.8	39.3	57	29	27	3	71	4.66	1.82	8	7.3	193	52	9.0	nw.	32	ne.	26	0	8	11	12	12	8	1	0	0	0	11	0	
April.....	58.8	41.6	50.2	78	20	32	12	53	3.12	1.60	26	T.	275	68	8.3	nw.	27	nw.	27	0	15	5	10	9	0	2	0	0	0	0	0	0
May.....	70.1	50.5	60.3	94	29	37	1	68	4.51	1.36	8	0	284	63	7.0	sw.	24	nw.	3	0	9	12	10	10	0	5	2	0	3	0	0	0
June.....	75.4	58.9	67.2	97	20	48	10	68	9.13	4.22	9-10	0	268	59	6.8	nw.	24	n.	5	0	9	12	9	12	0	3	0	0	3	0	0	0
July.....	81.3	66.7	74.0	97	28	60	4	71	2.43	1.00	6-7	0	244	53	6.4	sw.	23	nw.	31	0	4	18	9	9	0	4	4	0	4	0	0	0
August....	79.6	64.7	72.2	97	6	58	25	72	4.45	1.65	11-12	0	240	56	5.8	nw.	18	ne.	24	0	7	12	12	12	0	9	0	0	2	0	0	0
September	75.1	58.7	66.9	95	11	46	29	70	1.67	0.88	2-3	0	243	65	7.1	nw.	27	nw.	24	0	16	7	7	8	0	3	2	0	5	0	0	0
October...	66.9	50.1	58.5	84	5	40	19	64	2.18	0.83	28-29	0	223	65	6.8	nw.	27	nw.	27	0	15	9	7	7	0	1	3	0	0	0	0	0
November	56.8	42.1	49.4	78	10	25	28	68	0.82	0.48	15-16	T.	149	51	7.1	sw.	24	nw.	6	0	9	9	12	6	0	0	4	0	0	6	0	0
December.	44.2	29.0	36.6	61	12	14	8	59	2.90	0.89	4	1.4	125	44	8.2	nw.	28	nw.	5	0	10	5	16	10	2	0	2	3	0	18	0	0
Year..	60.8	45.2	53.0	97	July 28	4	Feb. 1	66	44.17	4.22	June 9-10	34.4	2621	59	7.4	nw.	32	ne.	M'r 26	0	126	118	121	112	22	28	18	15	17	83	0	0

COMPARATIVE DATA AND EXTREMES

Month	Temperature				Precipitation				Relative humidity per cent		Sunshine		Wind (4-cup standard)				Average number of days															
	Average daily maximum	Average daily minimum	Average	Absolute highest	Year	Average total	Greatest in 24 hours	Year	Average snowfall	Greatest snowfall in 24 hours	Year	8 a. m.	Noon—local time	8 p. m.	Total hours	Per cent	Average hourly velocity	Prevailing direction	Highest velocity	Direction highest velocity	Year	Clear	Partly cloudy	Cloudy	Rain, .01 or more	Snow (trace or more)	Thunderstorms	Dense fog	Max. temp. 90° or above	Minimum temp. 32° or below	Minimum temp. 0° or below	
L'ngth of record years-	59	59	61	61	61	61	61	61	60	60	60	40	14	40	37	37	60	60	61	61	61	60	60	60	60	40	38	38	59	59	59	
Jan.	36.1	20.4	28.2	70	1876	-13	1882	3.52	3.25	1881	11.7	14.7	1897	142	49	11.5	w.	50	ne.	1886	9	9	13	12	6	0	1	0	26	1	3	
Feb.	36.3	20.6	28.3	68	1930	-71	1896	3.32	4.45	1886	12.6	16.0	1921	168	58	11.9	w.	47	e.	1880	10	8	10	10	6	0	1	0	24	1	3	
March. ...	44.0	28.5	36.3	83	1921	-8	1872	3.71	3.04	1877	7.6	12.0	1892	213	57	12.1	nw.	56	s.	1877	10	9	12	12	4	1	1	0	19	0	3	
April	54.5	38.3	46.4	89	1927	11	1874	3.51	3.19	1921	2.3	9.1	1917	229	58	11.1	w.	47	ne.	1891	10	9	11	11	1	1	1	0	4	0	3	
May	65.7	48.7	57.3	97	1880	31	1882	3.26	3.31	1920	T.	0	.....	269	59	9.9	sw.	38	e.	1893	9	12	10	11	0	2	1	0	0	0	3
June.	75.3	57.8	66.5	100	1925	42	1884	3.13	5.35	1875	0	71	290	63	9.3	sw.	33	e.	1903	9	11	10	10	0	3	1	2	0	0	3
July.	80.5	63.7	72.0	104	1911	46	1874	3.48	6.01	1921	0	72	296	64	8.7	sw.	47	sw.	1879	9	13	9	10	0	5	1	4	0	0	3
August ...	77.8	62.0	69.9	98	1917	47	1894	3.75	4.99	1879	0	76	269	63	8.3	sw.	38	s.	1893	11	11	9	10	0	4	1	2	0	0	3
Sept.	71.6	55.6	63.6	102	1881	84	1914	3.01	4.27	1924	0	77	232	62	9.0	sw.	47	n.	1888	12	9	9	9	0	2	1	0	1	0	3
October. ...	61.4	45.5	53.6	90	1881	25	1879	3.34	4.92	1895	T.	0.5	1884	197	56	9.9	w.	43	ne.	1890	11	9	11	9	0	0	2	0	1	0	3	
Nov.	49.7	35.2	42.6	78	1931	-2	1875	3.66	5.43	1876	1.6	12.0	1898	141	48	10.9	w.	51	w.	1875	10	8	12	10	1	0	1	0	10	0	3	
Dec.	39.3	25.0	32.4	69	1912	-14	1917	3.36	2.87	1888	8.1	12.3	1909	136	48	11.2	w	47	e.	1900	9	9	13	11	5	0	1	0	22	1	3	
Year ...	57.7	41.8	49.8	104	1911	-14	1917	41.07	6.04	1921	43.9	16.0	1921	2584	57	10.3	w.	56	nw.	1877	119	117	129	125	23	18	15	9	106	3	3	

* Corrected to true velocity.

EXTREMES OF BAROMETRIC PRESSURE, 1871-1931

Sea Level Pressure

MONTH	PRESSURE					
	Maxi- mum	Year	Day	Mini- mum	Year	Day
January	31.00	1920	31	28.67	1913	3
February	31.03	1920	1	28.86	1916	26
March	30.96	1904	5	28.53	1914	1
April	30.72	1911	12	28.86	1907	9
May	30.56	1903	2	29.11	1929	17
June	30.57	1884	15	29.26	1923	27
July	30.51	1892	7	29.38	1888	12
August	30.46	1918	19	29.26	1924	26
September	30.65	1888	7	29.18	1885	23
October	30.75	1879	3	28.97	1925	25
November	30.86	1887	30	28.73	1873	18
December	30.96	1887	1	28.80	1915	14

MAXIMUM PRECIPITATION, 1901-1931

Maximum precipitation in 5 minutes.....	0.55 inch,	August 7, 1908.
Maximum precipitation in 10 minutes.....	0.91 inch,	August 7, 1908.
Maximum precipitation in 15 minutes.....	1.12 inches,	August 7, 1908.
Maximum precipitation in 30 minutes.....	1.45 inches,	August 7, 1908.
Maximum precipitation in 1 hour.....	1.80 inches,	August 24-25, 1901.
Maximum precipitation in 2 hours.....	2.45 inches,	July 1, 1915.

FROSTS

Average date last killing frost in spring, April 14.

Latest date last killing frost in spring, May 16, 1882.

Average date first killing frost in autumn, October 26.

Earliest date first killing frost in autumn, September 26, 1879.

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU

THIRD FLOOR

230
.16
iB74
937

ANNUAL
METEOROLOGICAL
SUMMARY
WITH COMPARATIVE DATA
1937

BOSTON, MASS.

COMPILED BY
G. H. NOYES

Kirstein Bushnell Library
FEB 25 1938

BOSTON, MASS.
1938

SUMMARY FOR YEAR 1937, BOSTON, MASS.

Month.	Temperature.				Relative humidity (percent).			Precipitation.				Sun-shine		Wind.				Number of days.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
	Mean.		Extremes.													Prevailing direction.		Highest.		Gales (32 miles per hour or over).		Clear.		Partly cloudy.		Cloudy.		With precipitation (0.01 in. or more).		Snow (0.1 in. or more).		Thunderstorms.		Dense fog.		Max. temp. 90° or above.		Min. temp. 32° or below.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
January...	45.3	29.5	37.4	64	9	15	28	72	68	70	3.93	0.87	2-3	2.0	121	41	10.4	w.	39 s	3	1	6	5	20	15	4	0	3	1	0	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Elevation of instruments above ground: thermometers, 33 feet; rain-gage, 3 feet; anemometer 62 feet.

COMPARATIVE DATA AND EXTREMES

Month	Temperature				Precipitation				Relative humidity per cent		Sunshine		Wind					Average number of days															
	Average daily maximum	Average daily minimum	Normal	Year	Absolute highest	Absolute lowest	Year	Normal	Greatest in 24 hours	Year	Average snowfall	Greatest snowfall in 24 hours	Year	8 a. m.	Noon—local time	8 p. m.	Total hours	Percent	Average hourly velocity	Prevailing direction	Highest velocity	Direction highest velocity	Year	Clear	Partly cloudy	Cloudy	Rain, .01 or more	Snow (trace or more)	Thunderstorms	Dense fog	Max. temp. 90° or above	Minimum temp. 32° or below	Minimum temp. 0° or below
L'gth of record years.....	59	59	46	62	62	62	62	50	65	65	65	65	65	65	40	14	40	42	42	60	60	60	60	60	63	63	60	31	33	38	59	59	59
Jan.....	35.8	20.0	27.9	70	1876	-13	1882	3.61	3.25	1881	11.4	14.7	1897	72	63	70	143	49	11.2	w.	50	ne.	1886	9	9	13	12	11	3	1	0	26	1
Feb.....	36.6	21.0	28.8	68	1930	-18	1934	3.37	4.45	1886	13.0	16.0	1921	71	61	66	170	58	11.5	w.	47	e.	1880	10	8	10	10	10	7	1	0	24	1
March.....	43.4	27.8	35.6	83	1921	-8	1872	3.57	3.04	1877	7.5	12.0	1892	70	58	68	213	57	11.7	w.	56	s.	1877	10	9	12	12	12	10	1	0	19	0
April.....	54.5	38.3	46.4	89	1927	11	1874	3.34	3.19	1921	2.2	9.1	1917	69	57	68	231	58	10.9	w.	47	ne.	1891	10	10	11	11	11	3	1	0	4	0
May.....	65.7	48.6	57.1	97	1880	31	1882	3.18	3.31	1920	4.1	7.1	.....	70	61	69	272	59	10.0	sw.	38	ne.	1893	12	12	10	11	11	1	0	0	0	0
June.....	75.2	57.8	66.5	100	1925	42	1932	2.89	5.35	1875	0	0	.....	72	59	71	289	63	9.5	sw.	33	e.	1903	10	9	11	10	0	1	0	0	0	0
July.....	80.1	63.3	71.7	104	1911	46	1874	3.49	6.04	1921	0	0	.....	71	61	72	294	64	9.1	sw.	47	sw.	1879	11	13	9	10	0	1	0	0	0	0
August.....	77.8	62.0	69.9	98	1917	47	1894	3.62	4.99	1879	0	0	.....	76	61	77	268	63	8.7	sw.	38	s.	1893	11	11	9	10	0	1	0	0	0	0
Sept.....	71.2	55.2	63.2	102	1881	34	1914	3.14	5.63	1933	0	0	.....	77	62	75	229	62	9.3	sw.	47	n.	1888	12	9	9	9	0	2	1	0	0	0
October.....	61.6	45.5	53.6	90	1881	25	1936	3.15	4.92	1895	0	0.5	.....	78	63	78	196	56	10.0	w.	43	ne.	1894	11	10	10	9	8	2	0	10	0	0
Nov.....	49.3	34.8	42.0	78	1931	-2	1875	3.33	5.43	1876	1.5	12.0	1898	73	65	71	142	48	10.8	w.	51	w	1875	9	9	12	10	3	1	0	10	1	1
Dec.....	39.6	25.4	32.5	69	1912	-17	1933	3.45	3.36	1937	7.9	12.3	1909	74	62	69	135	48	11.0	w.	47	e.	1900	9	9	13	11	8	1	0	22	1	1
Year....	57.6	41.6	49.6	101	1911	-18	1934	40.14	6.04	1921	43.5	16.0	1921	73	61	71	2582	57	10.3	w.	56	s.	1877	118	118	129	125	42	18	14	9	106	3

† Anemometer, 188 feet above ground: October 1933 to December 1935, anemometer 360 feet, record not used. § Less than 1.

Monthly and Annual Mean Temperatures

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	An'l.
1840..	20.0	30.8	34.4	48.4	55.6	66.2	71.8	70.3	59.9	49.5	36.6	24.7	47.4
1841..	27.9	22.3	33.1	11.1	53.2	67.4	69.8	68.5	62.3	44.6	36.4	30.0	46.4
1842..	27.2	31.6	37.4	44.4	51.7	62.6	72.7	67.5	58.2	47.9	34.8	23.5	46.6
1843..	29.7	16.8	25.4	43.5	54.5	64.2	69.2	69.9	60.6	47.5	34.3	26.9	45.2
1844..	15.4	24.6	33.8	48.4	57.4	65.1	68.2	67.8	64.0	45.5	34.3	27.0	46.0
1845..	27.2	27.6	36.2	46.3	56.6	68.1	72.1	71.3	60.2	51.8	44.3	25.6	48.9
1846..	27.4	21.3	38.2	49.5	55.8	65.0	71.6	70.2	66.7	51.2	43.2	27.4	49.0
1847..	26.4	25.9	30.8	42.0	53.4	64.7	75.0	68.1	61.0	47.7	44.1	34.8	47.7
1848..	29.1	24.7	32.2	45.5	57.8	64.8	70.2	69.6	58.6	49.8	36.2	34.4	47.7
1849..	21.0	18.4	35.8	43.5	52.5	67.7	71.6	69.2	60.0	49.2	45.0	28.9	46.9
1850..	27.2	29.4	32.6	42.4	51.4	67.2	71.6	67.0	61.0	51.4	41.0	25.2	47.3
1851..	25.5	29.9	36.2	44.5	55.5	64.8	71.4	68.0	61.1	52.9	34.8	22.9	47.3
1852..	20.8	27.4	32.9	41.0	56.8	67.4	72.4	66.6	62.1	50.4	38.3	35.0	47.6
1853..	25.8	29.2	35.8	45.1	56.4	66.8	70.6	67.5	61.2	47.8	39.6	26.4	47.7
1854..	23.9	23.5	32.4	42.3	58.7	65.6	74.4	68.4	61.5	52.5	41.2	24.4	47.4
1855..	28.4	20.2	32.3	44.1	53.4	65.5	72.2	67.3	61.4	51.5	40.0	28.6	47.1
1856..	16.8	20.9	27.0	44.0	52.6	68.1	72.7	67.2	63.0	51.1	38.7	24.0	45.5
1857..	15.2	33.6	32.9	41.8	54.7	63.4	71.6	68.2	62.0	51.3	41.3	33.2	47.4
1858..	30.9	22.2	31.6	45.2	52.9	67.8	69.9	66.6	61.8	53.0	35.3	28.0	47.1
1859..	25.4	28.5	38.6	42.9	58.1	64.2	69.7	68.0	58.8	46.5	42.0	24.4	47.3
1860..	27.7	25.8	38.4	44.2	56.1	65.4	68.1	69.5	59.7	50.8	43.4	26.6	48.0
1861..	23.0	32.6	35.0	44.3	54.5	65.9	71.9	67.6	62.0	54.2	38.4	30.6	48.3
1862..	22.0	22.7	32.7	44.0	58.3	63.6	69.3	70.1	60.1	53.0	40.0	27.6	47.0
1863..	28.8	25.1	27.2	44.2	59.1	65.3	73.2	73.2	60.3	51.9	42.3	25.7	48.0
1864..	25.0	27.4	34.4	42.1	56.4	67.8	73.6	73.3	60.1	47.8	39.6	27.4	47.9
1865..	16.8	24.2	37.9	49.6	58.1	73.1	73.4	71.1	66.7	48.2	40.2	29.6	49.1
1866..	22.4	27.9	32.8	47.8	53.4	66.1	74.4	65.5	62.0	49.6	41.6	27.2	47.6
1867..	18.6	32.2	30.8	44.7	53.1	66.9	60.2	70.4	60.0	50.9	38.7	23.1	46.6
1868..	22.0	20.1	32.3	42.1	50.8	64.2	73.6	69.7	59.9	46.4	36.5	25.6	45.3
1869..	27.9	28.9	26.6	43.6	54.0	64.2	70.8	67.6	62.3	48.7	36.4	28.4	46.6
1870..	32.7	24.5	30.0	46.6	57.6	68.5	72.9	71.8	62.7	53.3	41.1	32.6	49.5

These temperature records were made at the Astronomical Observatory of Harvard College, which is located on Concord Avenue and Bond Street, Cambridge, Mass., about three miles from the Weather Bureau station in Boston, Mass.

MISCELLANEOUS DATA FOR 1937.

Barometric Pressure (reduced to sea level).—Mean, 30.00 inches; highest, 30.87 inches, January 25; lowest, 29.11 inches, February 14.

Temperature.—Greatest monthly range, 51°, May; least monthly range, 34°, December. Highest mean temperature of three consecutive days, 82°, July 7–9; lowest mean temperature of three consecutive days, 21°, February 1–4.

Precipitation.—Longest period without precipitation, 11 days, February 23–March 5; longest period with precipitation, 7 days, March 15–21. Greatest amount in 24 consecutive hours, 3.36 inches, December 6–7. Maximum amount in 5 minutes, 0.26 inch, October 20; 10 minutes, 0.34 inch, August 1; 15 minutes, 0.44 inch, August 1; 30 minutes, 0.54 inch, August 1; 1 hour, 0.81 inch, December 5.

Frost.—Last killing frost in spring, April 23. First killing frost in autumn, October 15.

Snow.—Greatest snowfall in 24 hours, 2.2 inches, December 28. Greatest depth of snow on ground, 2.1 inches, December 28. Last snow in spring occurred on April 23; first in autumn occurred on November 19.

Thunderstorms.—First thunderstorm occurred on May 7; last thunderstorm occurred on September 4.

Monthly and Annual Mean Temperatures

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	An'l
1871...	26.0	28.6	41.5	47.0	57.9	65.9	70.8	71.7	59.3	54.0	36.6	27.9	48.9
1872...	27.4	28.1	26.0	46.6	59.4	68.9	75.6	73.0	64.5	51.8	40.6	23.2	48.8
1873...	25.1	26.3	33.9	45.0	56.8	67.3	72.9	68.8	62.8	53.5	38.4	32.0	48.2
1874...	30.5	27.0	34.4	38.8	55.4	66.0	72.6	68.0	64.4	53.2	41.6	31.3	48.6
1875...	20.1	22.3	31.4	42.6	57.9	66.7	72.1	71.0	60.6	50.2	35.0	29.6	46.6
1876...	30.7	27.4	33.4	43.9	54.6	68.8	74.0	70.2	59.9	48.2	41.4	22.2	47.9
1877...	24.8	34.2	34.9	44.2	55.0	66.8	71.1	72.2	65.2	52.0	44.2	36.4	50.1
1878...	28.0	30.6	39.6	48.2	56.5	64.6	73.7	69.7	64.2	56.1	40.8	30.3	50.2
1879...	24.2	24.6	33.6	42.4	60.2	64.8	70.8	69.3	62.0	57.6	38.8	32.3	48.4
1880...	34.6	31.8	33.2	46.4	63.7	68.6	71.8	70.8	65.2	52.2	38.2	26.7	50.3
1881...	22.0	27.9	37.2	43.6	56.6	61.7	70.2	71.4	67.6	54.4	43.6	39.0	49.6
1882...	26.0	30.4	36.0	42.8	50.6	66.8	73.2	71.5	64.0	55.4	39.0	30.4	48.8
1883...	24.4	28.8	30.8	45.2	56.5	70.1	71.7	68.2	59.8	47.7	42.8	29.1	47.9
1884...	24.1	31.2	34.2	43.8	54.8	67.2	68.6	69.7	66.9	52.6	41.4	33.8	49.0
1885...	27.4	20.6	27.6	47.2	53.2	66.8	71.8	67.8	60.1	51.6	44.0	32.7	47.6
1886...	25.8	26.6	33.3	48.6	56.8	63.2	71.2	68.2	63.1	52.0	43.2	28.4	48.4
1887...	25.0	28.7	31.5	44.2	59.6	65.2	74.6	67.6	59.8	51.5	42.2	32.4	48.5
1888...	20.1	28.3	32.2	42.6	53.0	66.8	68.8	70.2	59.8	47.8	43.8	34.6	47.3
1889...	35.8	26.0	38.2	47.8	60.3	69.2	69.4	67.4	62.8	48.5	44.6	38.0	50.7
1890...	34.4	33.2	34.9	46.3	57.0	64.2	71.0	68.9	62.9	51.0	41.8	26.0	49.1
1891...	31.1	32.0	33.6	48.0	55.8	65.0	69.0	70.0	66.7	51.6	41.4	40.4	50.4
1892...	28.3	28.4	32.9	48.4	55.9	69.6	73.0	70.2	62.5	52.7	41.2	29.9	49.4
1893...	20.7	26.8	32.8	44.4	56.3	64.8	71.4	69.6	60.0	54.8	42.2	30.4	47.9
1894...	30.1	26.6	42.5	47.0	57.6	68.8	73.7	68.0	64.8	54.0	38.2	32.2	50.3
1895...	28.8	24.6	34.6	46.0	60.2	66.8	69.3	71.0	65.7	49.6	45.4	35.6	49.8
1896...	24.9	28.7	32.0	47.2	60.3	66.1	71.8	70.7	62.2	50.2	46.5	30.4	49.2
1897...	28.4	30.9	36.9	49.0	57.6	62.3	71.6	69.6	63.1	54.4	41.4	34.0	49.9
1898...	28.7	32.8	42.8	43.8	55.8	68.2	71.8	73.1	66.2	54.2	42.0	32.0	50.8
1899...	29.0	26.8	34.0	48.1	57.8	70.0	72.6	68.8	62.0	54.5	42.1	36.2	50.2
1900...	30.0	29.3	34.0	48.6	55.2	68.6	73.8	71.1	65.0	56.6	44.6	34.4	50.8
1901...	27.6	24.2	36.2	43.5	54.3	68.2	73.4	70.7	65.4	54.4	37.2	32.4	49.0
1902...	26.6	28.8	43.4	48.4	57.6	64.3	67.8	67.6	62.6	53.6	46.2	28.5	49.6
1903...	26.8	31.4	44.4	47.8	58.5	59.8	71.4	65.0	64.4	53.9	40.0	29.0	49.4
1904...	21.6	22.6	34.6	44.6	60.8	64.0	71.4	68.7	62.5	50.6	38.2	25.8	47.1
1905...	25.1	23.4	37.2	46.8	57.6	65.2	73.2	68.6	62.0	53.6	41.6	35.1	49.1
1906...	35.7	29.7	32.4	47.2	58.0	66.4	70.1	72.0	65.0	52.5	41.7	29.1	50.0
1907...	27.0	21.6	37.9	43.4	52.4	65.1	72.4	69.6	64.4	49.8	43.2	37.2	48.7
1908...	31.0	26.8	38.6	46.8	59.0	69.8	74.1	69.4	65.8	55.4	43.6	33.3	51.2
1909...	30.3	32.6	36.8	47.8	55.8	69.4	71.5	69.4	62.6	52.8	46.4	30.8	50.5
1910...	32.0	29.5	42.0	51.6	57.6	65.2	74.9	68.8	62.8	56.0	41.2	27.5	30.8
1911...	31.8	27.0	35.4	46.1	62.4	65.6	77.1	69.0	62.6	52.6	41.8	39.4	50.9
1912...	21.4	27.7	36.0	47.4	58.6	68.0	73.2	69.0	63.7	57.4	45.6	38.5	50.5
1913...	39.2	27.7	42.4	48.0	55.2	67.5	73.8	70.8	62.0	56.4	46.5	37.8	52.3
1914...	28.7	24.3	36.7	45.3	60.4	67.3	68.6	70.4	64.6	57.0	42.7	30.4	49.7
1915...	33.0	33.2	35.8	50.8	56.6	63.9	70.1	69.1	66.8	55.7	45.4	34.2	51.2
1916...	33.0	25.5	30.6	45.6	58.6	62.6	72.6	71.8	65.0	55.5	42.6	32.6	49.7
1917...	30.2	25.8	37.2	44.0	59.7	65.8	73.3	72.8	60.2	51.9	39.4	23.7	47.9
1918...	21.0	26.9	36.7	47.8	63.3	63.9	71.0	70.4	61.2	56.2	45.0	34.7	49.8
1919...	33.2	32.6	40.8	46.9	59.1	67.2	74.0	68.8	63.9	55.1	42.8	28.7	51.1
1920...	21.0	27.6	39.2	45.0	54.6	65.8	72.4	72.0	65.2	59.8	41.7	35.6	50.0
1921...	32.1	32.6	48.2	51.8	58.0	68.2	73.2	69.8	68.5	55.2	41.6	31.4	52.4
1922...	27.2	32.0	39.8	48.7	61.4	68.6	72.0	70.4	65.2	55.1	43.8	30.9	51.3
1923...	27.0	23.4	33.9	48.2	57.6	69.3	70.0	69.4	64.2	55.5	44.6	40.4	50.3
1924...	31.9	26.6	37.4	47.2	56.2	66.6	73.8	71.8	62.2	54.6	44.6	31.1	50.3
1925...	27.2	33.0	43.0	49.8	57.4	70.9	72.4	71.2	64.0	49.3	43.6	33.6	51.7
1926...	31.0	27.8	34.2	44.8	56.0	64.3	70.5	70.4	62.4	53.4	44.2	28.6	49.0
1927...	30.6	32.6	41.6	48.3	55.2	65.0	72.2	67.4	65.0	57.9	49.6	36.0	51.8
1928...	33.0	29.6	37.0	46.8	55.4	65.0	73.2	73.6	62.4	56.6	44.8	38.5	51.3
1929...	29.0	31.7	41.4	47.1	61.0	68.4	72.6	69.3	65.2	53.2	44.7	32.6	51.4
1930...	31.8	34.1	38.3	47.6	59.4	72.4	72.6	70.5	66.4	53.0	45.0	33.2	52.3
1931...	30.6	30.6	39.3	50.2	60.3	67.2	74.0	72.2	69.9	58.5	49.4	36.6	53.0
1932...	38.8	30.6	35.6	47.4	60.2	66.4	72.8	71.0	65.2	57.1	42.8	38.1	52.4
1933...	37.8	33.7	35.7	46.5	61.6	69.6	70.8	71.8	65.8	52.7	38.3	26.8	50.9
1934...	29.6	17.5	35.1	48.0	60.6	66.9	73.2	67.3	64.6	49.6	45.6	28.4	48.9
1935...	23.2	27.8	38.4	45.2	55.5	65.5	72.6	70.7	61.4	53.8	45.4	27.1	48.9
1936...	28.2	22.8	41.8	45.2	60.6	66.2	71.1	69.7	62.6	54.4	39.5	35.0	49.7
1937...	37.4	33.2	34.1	45.2	59.1	66.4	73.2	74.6	63.0	52.6	44.0	31.2	51.2
M'ns	28.6	28.5	36.4	46.5	57.5	66.5	72.1	70.1	63.7	53.6	42.3	32.2	49.8

NOTE.—Bold-face figures indicate highest and lowest monthly means.

BOSTON, MASS.
MAXIMUM TEMPERATURE FOR EACH DAY OF YEAR
RECORD EXTENDS FROM MARCH 1, 1872 TO DECEMBER 31, 1937

Date	January		February		March		April		May		June		July		August		September		October		November		December		Date
	Max.	Year	Max.	Year	Max.	Year	Max.	Year	Max.	Year	Max.	Year	Max.	Year	Max.	Year	Max.	Year	Max.	Year	Max.	Year	Max.	Year	
1..	70	1876	57	1916	62	1902	76	1918	89	1899	96	1879	98	1872	98	1917	96	1881	90	1881	74	1927	67	1908	...1
2..	66	1890	55	1933	59	1874	75	1918	91	1930	96	1895	96	1911	98	1917	94	1929	85	1922	77	1929	65	1932	...2
3..	62	1913	53	1877	60	1874	77	1892	85	1878	98	1919	102	1911	98	1930	97	1929	85	1922	75	1926	65	1932	...3
4..	60	1932	56	1914	62	1880	72	1923	88	1880	96	1925	104	1911	96	1928	94	1884	85	1898	74	1903	62	1873	...4
5..	60	1909	64	1890	72	1880	84	1928	86	1910	96	1919	101	1919	95	1928	92	1880	87	1922	71	1935	55	1916	...5
6..	62	1913	57	1909	70	1894	82	1928	90	1930	100	1925	101	1911	97	1931	92	1880	85	1910	70	1888	69	1912	...6
7..	63	1930	56	1925	68	1876	84	1929	95	1930	92	1876	95	1916	98	1924	102	1881	86	1912	76	1924	65	1932	...7
8..	64	1930	66	1933	63	1878	84	1929	87	1895	92	1933	99	1937	95	1916	95	1872	88	1879	72	1895	65	1927	...8
9..	64	1937	59	1925	68	1921	77	1921	90	1889	92	1922	99	1912	95	1872	90	1897	81	1916	71	1881	64	1924	...9
10..	53	1929	59	1898	71	1878	85	1922	94	1895	93	1933	101	1880	95	1896	95	1931	80	1919	78	1931	64	1907	10
11..	61	1924	58	1925	65	1927	75	1887	90	1895	93	1894	100	1911	95	1900	95	1931	81	1914	*66	1935	68	1911	...11
12..	61	1913	55	1925	69	1902	68	1915	84	1908	95	1933	97	1908	94	1907	89	1900	88	1928	76	1919	68	1911	...12
13..	63	1932	60	1900	68	1927	84	1896	85	1930	94	1892	93	1881	93	1881	88	1877	87	1930	69	1885	62	1923	...13
14..	69	1932	59	1884	69	1927	76	1891	88	1908	96	1892	95	1873	96	1918	92	1915	81	1923	68	1902	66	1881	...14
15..	65	1932	60	1908	66	1913	82	1896	93	1932	95	1891	96	1873	92	1872	94	1915	86	1897	70	1902	63	1918	...15
16..	57	1900	60	1910	71	1935	79	1896	93	1932	96	1891	95	1900	95	1928	94	1915	88	1897	76	1927	56	1928	...16
17..	59	1913	60	1883	66	1935	73	1918	84	1903	95	1894	95	1900	96	1913	91	1915	80	1928	76	1928	60	1928	...17
18..	60	1915	63	1880	68	1934	83	1896	91	1936	94	1929	97	1900	94	1884	90	1906	80	1908	69	1927	61	1928	...18
19..	61	1915	58	1930	72	1903	87	1914	83	1903	96	1923	96	1878	92	1906	88	1882	79	1910	72	1921	64	1899	...19
20..	58	1907	68	1930	77	1921	89	1927	90	1933	97	1931	95	1894	93	1937	87	1882	78	1929	71	1913	61	1895	...20
21..	68	1906	63	1906	83	1921	87	1923	93	1921	95	1923	98	1926	95	1937	94	1895	82	1920	74	1931	60	1923	...21
22..	66	1916	57	1912	69	1929	78	1926	92	1921	93	1921	103	1926	91	1880	94	1895	78	1920	74	1931	58	1902	...22
23..	68	1906	63	1930	69	1920	85	1908	88	1902	96	1888	98	1918	96	1880	96	1895	80	1900	77	1931	64	1891	...23
24..	60	1906	67	1930	72	1920	82	1920	82	1885	91	1936	94	1898	94	1898	87	1914	80	1940	72	1931	59	1900	...24
25..	59	1916	65	1930	78	1910	81	1897	91	1932	*94	1923	96	1882	93	1909	89	1926	75	1899	68	1931	65	1889	...25
26..	66	1916	56	1911	79	1922	85	1872	97	1880	92	1923	96	1892	97	1900	95	1881	74	1899	67	1895	60	1915	26
27..	62	1916	61	1880	74	1914	84	1935	96	1880	94	1900	98	1882	91	1881	86	1916	76	1920	72	1896	60	1895	...27
28..	63	1916	62	1903	73	1921	79	1911	92	1931	97	1901	97	1931	92	1877	90	1881	81	1927	68	1896	60	1907	...28
29..	56	1887	64	1880	76	1910	83	1903	*94	1929	99	1933	97	1931	92	1880	83	1884	79	1918	64	1916	60	1901	...29
30..	63	1914	.....	.....	71	1907	83	1908	96	1929	94	1872	*98	1933	93	1881	83	1927	78	1918	68	1881	62	1884	...30
31..	62	1913	.....	.....	70	1936	.....	.....	93	1879	.....	.....	98	1917	97	1881	.....	.....	76	1896	.....	.....	65	1932	...31

* Has occurred on previous dates also.

BOSTON, MASS.
MINIMUM TEMPERATURE FOR EACH DAY OF YEAR
RECORD EXTENDS FROM MARCH 1, 1872 TO DECEMBER 31, 1937

Date	January		February		March		April		May		June		July		August		September		October		November		December		Date
	Min.	Year	Min.	Year	Min.	Year	Min.	Year	Min.	Year	Min.	Year	Min.	Year	Min.	Year	Min.	Year	Min.	Year	Min.	Year	Min.	Year	
1..	- 3	1918	- 7	1920	- 1	1886	13	1923	33	1880	44	1876	51	1885	54	1891	50	1887	38	1888	26	1885	0	1875	...1
2..	- 3	1899	- 5	1881	0	1886	19	1919	33	1874	42	1884	51	1883	56	1929	49	1896	34	1893	26	1879	4	1876	...2
3..	- 1	1904	- 5	1881	10	1884	23	1894	31	1882	44	1915	51	1914	55	1927	47	1893	35	1899	27	1879	0	1890	...3
4..	- 3	1910	- 2	1886	8	1884	19	1879	33	1911	44	1881	53	1914	52	1900	43	1872	34	1888	21	1875	4	1906	...4
5..	- 3	1910	- 10	1918	- 4	1872	11	1874	35	1907	45	1891	52	1933	56	1907	48	1896	28	1881	17	1879	4	1926	...5
6..	- 10	1896	- 6	1895	- 8	1872	20	1881	33	1891	46	1895	50	1879	52	1881	43	1888	31	1883	21	1879	9	1901	...6
7..	- 2	1896	- 5	1875	2	1872	22	1881	38	1900	*45	1932	52	1902	55	1885	43	1888	30	1883	25	1884	4	1906	...7
8..	- 3	1878	- 12	1934	8	1883	21	1888	38	1882	42	1932	55	1909	52	1903	48	1903	36	1883	25	1921	- 4	1902	...8
9..	- 3	1887	- 18	1934	9	1885	24	1876	39	1917	47	1923	53	1909	53	1899	47	1883	32	1873	26	1887	- 8	1902	...9
10..	- 1	1875	- 5	1875	9	1929	26	1917	34	1902	45	1881	53	1890	55	1910	41	1883	33	1925	*27	1933	- 1	1902	...10
11..	- 4	1893	- 4	1899	11	1933	25	1909	33	1900	46	1881	54	1890	54	1879	40	1917	32	1881	24	1901	- 2	1876	...11
12..	- 10	1886	- 11	1914	7	1900	20	1874	33	1907	46	1906	54	1886	56	1913	43	1875	31	1876	25	1926	7	1934	...12
13..	- 9	1914	- 3	1914	3	1885	20	1874	38	1882	46	1881	56	1888	53	1902	45	1911	30	1875	14	1883	4	1898	...13
14..	- 8	1914	- 3	1934	12	1896	27	1923	37	1895	46	1875	56	1937	52	1882	40	1881	31	1875	16	1905	0	1898	...14
15..	- 3	1920	- 2	1875	*12	1932	30	1923	38	1882	44	1884	54	1929	54	1905	41	1913	31	1876	17	1933	- 2	1874	...15
16..	- 5	1920	- 4	1888	10	1872	28	1928	38	1882	48	1903	54	1884	47	1880	45	1899	30	1883	12	1933	- 1	1883	...16
17..	- 4	1907	- 11	1896	10	1916	26	1908	39	1882	48	1926	54	1892	52	1880	45	1887	27	1886	14	1924	- 4	1919	...17
18..	- 1	1904	0	1896	5	1885	25	1887	38	1882	47	1920	54	1881	53	1918	43	1875	14	1883	14	1936	- 6	1919	...18
19..	- 6	1904	* 4	1936	5	1876	22	1875	38	1882	47	1920	54	1881	51	1882	42	1929	28	1922	14	1936	- 10	1875	...19
20..	- 3	1901	6	1916	10	1885	21	1897	40	1892	47	1918	54	1890	52	1905	*42	1929	32	1900	15	1894	- 11	1875	...20
21..	0	1888	0	1916	7	1885	21	1875	41	1907	48	1918	52	1890	52	1882	*40	1929	32	1922	10	1879	- 1	1874	...21
22..	- 3	1888	2	1918	8	1885	26	1875	39	1894	48	1881	50	1879	47	1894	35	1904	32	1883	9	1879	- 1	1883	...22
23..	- 6	1882	- 3	1876	6	1934	30	1872	40	1882	*47	1932	57	1934	49	1886	35	1904	29	1883	11	1880	- 12	1883	...23
24..	- 13	1882	- 7	1894	6	1874	28	1882	36	1882	*46	1932	54	1893	50	1873	39	1885	31	1879	11	1880	- 8	1892	...24
25..	- 5	1935	- 6	1894	10	1878	28	1892	42	1925	48	1903	53	1901	50	1890	39	1890	26	1879	19	1881	- 8	1872	...25
26..	0	1927	- 1	1928	18	1880	27	1919	39	1882	52	1903	56	1920	50	1885	34	1879	25	1879	*12	1932	- 2	1914	...26
27..	- 6	1924	- 4	1900	16	1873	33	1909	39	1915	52	1897	52	1876	47	1880	40	1887	25	1936	8	1932	0	1914	...27
28..	- 5	1935	2	1907	11	1923	32	1882	32	1917	52	1918	54	1884	47	1885	39	1914	26	1936	11	1873	- 3	1872	...28
29..	- 6	1888	3	1884	4	1923	31	1909	39	1902	49	1919	55	1880	47	1908	34	1914	26	1876	8	1875	- 17	1933	...29
30..	- 5	1873	.....	.....	10	1884	31	1874	35	1884	52	1919	52	1880	49	1912	36	1888	28	1928	- 2	1875	- 15	1933	...30
31..	- 8	1920	.....	.....	15	1923	.....	.....	39	1884	.....	.....	54	1895	49	1912	....	.....	27	1904	.....	.....	- 8	1917	...31

* Has occurred on previous dates also.

Maximum Amounts of Precipitation

Month	5 min's		10 min's		15 min's		30 min's		1 hour		2 hours		24 hours**	
	Am't	Yr.	Am't	Yr.	Am't	Yr.	Am't	Yr.	Am't	Yr.	Am't	Yr.	Am't	Yr.
Jan.	.15	1936	.25	1936	.29	1936	.40	1936	.57	1919	.81	1919	3.25	1881
Febr.	.10	*1926	.14	*1918	.20	1920	.33	1920	.49	1920	.71	1920	4.45	1886
Mar.	.15	1913	.23	1913	.26	1913	.39	1913	.54	*1932	1.63	1932	3.04	1877
April	.13	1936	.19	1921	.24	1920	.31	1920	.50	1931	.78	*1931	3.19	1921
May	.55	1932	.62	1932	.63	1932	.65	1932	.69	1926	.94	1926	3.31	1920
June	.42	1925	.72	1905	.75	1905	.90	1925	1.07	1922	1.28	1922	5.35	1875
July	.50	1927	.67	1916	.85	1916	1.33	1916	1.62	1921	2.45	1915	6.04	1921
Aug.	.55	1908	.91	1908	1.12	1908	1.45	1908	1.80	1901	2.27	1917	4.99	1879
Sept.	.25	1902	.43	1927	.62	*1927	1.01	1911	1.10	1904	1.74	1904	5.63	1933
Oct.	.34	1928	.54	1928	.67	1928	.86	1906	1.58	1906	1.74	1906	4.92	1895
Nov.	.21	1925	*.31	1932	.39	1927	*.62	1932	.83	1932	.94	1927	5.43	1876
Dec.	.15	1937	.21	1937	.26	1937	.45	1937	.81	1937	1.47	1937	3.36	1937
High- est	.55	1908	.91	1908	1.12	1908	1.45	1908	1.80	1901	2.45	1915	6.04	1921

** 1871 to 1937, other data 1901 to 1937. * Several occurrences.

MONTHLY AND ANNUAL PRECIPITATION.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	An'l.
1818..	2.64	3.49	4.05	6.15	5.96	3.47	4.08	0.46	7.81	2.11	1.91	0.86	42.99
1819..	0.70	2.27	6.21	3.74	3.06	3.56	2.02	4.38	5.29	1.40	1.22	1.63	35.48
1820..	3.12	4.25	4.90	0.45	5.08	3.42	4.19	5.15	2.43	5.39	3.00	2.80	44.18
1821..	1.41	4.42	2.53	4.90	4.84	2.79	2.35	1.58	4.73	2.29	3.12	1.93	36.89
1822..	1.29	2.34	2.02	2.99	0.78	3.54	4.32	1.20	2.15	2.53	2.58	1.46	27.20
1823..	3.00	4.57	7.72	2.21	6.40	0.93	5.74	1.98	1.95	3.95	1.92	6.93	47.30
1824..	3.95	5.99	1.81	4.72	1.43	1.60	0.88	3.68	6.43	1.01	1.72	2.80	36.02
1825..	2.79	3.43	4.70	0.37	1.36	4.77	1.24	5.62	2.66	3.21	0.81	4.38	35.34
1826..	2.55	1.48	3.81	1.50	0.25	3.85	2.90	12.10	3.03	3.80	2.31	3.56	41.14
1827..	3.92	2.97	2.51	4.75	5.34	2.56	2.59	4.88	4.81	5.28	5.71	3.59	48.91
1828..	2.15	2.79	1.84	2.00	4.67	1.59	4.58	0.37	3.82	2.79	5.55	0.26	32.41
1829..	4.93	5.62	4.30	3.45	2.71	1.64	6.98	4.95	2.62	1.65	5.74	2.26	46.85
1830..	2.36	1.63	3.51	1.21	3.93	3.46	4.90	2.64	5.65	2.38	5.32	5.96	42.95
1831..	4.44	3.68	3.07	6.97	3.65	4.32	5.53	5.57	3.93	4.42	3.20	2.93	51.61
1832..	4.47	3.74	2.65	5.56	7.27	0.50	3.41	6.14	2.07	2.46	3.57	4.85	46.69
1833..	2.96	2.53	2.71	2.30	1.03	3.23	2.01	0.82	2.88	6.00	5.53	5.86	37.86
1834..	1.39	1.13	0.96	2.93	6.33	3.09	7.71	2.47	3.71	4.62	2.90	2.36	39.60
1835..	3.25	1.37	4.27	4.54	2.07	2.74	9.07	2.89	1.31	1.87	2.08	2.40	37.86
1836..	8.84	3.57	2.90	1.58	1.85	4.33	2.12	1.53	0.54	4.04	5.43	4.13	40.86
1837..	4.10	4.14	3.02	3.07	5.79	2.98	1.80	1.67	0.56	1.58	2.35	2.46	53.52
1838..	3.07	2.77	3.09	2.62	3.32	2.55	1.20	4.26	9.87	5.02	3.95	0.80	42.52
1839..	0.98	3.11	1.18	7.73	4.27	2.25	3.32	5.70	2.00	2.50	1.71	6.35	41.10
1840..	3.12	2.57	4.55	4.60	2.23	2.78	2.93	4.00	2.12	4.48	11.63	4.15	49.16
1841..	6.00	1.60	3.50	8.82	1.90	1.95	2.10	4.20	2.86	3.80	4.55	5.77	47.05
1842..	0.80	3.20	3.35	3.50	2.90	5.30	1.82	4.44	3.25	0.80	4.45	5.30	39.11
1843..	2.20	6.08	6.17	3.88	1.60	4.61	2.15	6.88	0.98	4.82	3.40	3.92	46.69
1844..	3.68	2.42	6.00	0.20	2.72	1.40	2.17	2.62	3.53	5.80	3.15	3.85	37.54
1845..	4.58	4.25	3.83	1.23	2.82	2.05	3.28	1.82	2.23	4.00	10.25	5.98	46.32
1846..	3.12	2.95	2.73	1.23	2.02	2.25	2.51	1.80	1.30	1.35	4.17	4.52	29.95
1847..	3.28	4.70	4.77	2.20	2.03	4.09	2.65	6.45	6.64	1.05	5.12	3.95	46.93
1848..	2.30	3.90	4.05	1.40	6.30	1.73	1.35	3.10	3.55	5.10	2.25	5.95	40.98
1849..	0.35	1.15	7.35	0.90	3.10	1.45	0.85	6.25	1.25	8.10	5.50	4.05	40.30
1850..	4.59	2.52	5.32	4.82	6.63	2.77	2.70	5.30	7.15	2.10	3.32	6.76	53.98
1851..	1.30	4.20	3.88	9.37	3.31	1.80	3.09	1.27	3.50	4.43	5.51	2.65	44.31
1852..	4.85	2.85	4.45	10.18	1.95	2.35	3.28	7.63	1.65	2.19	3.47	3.09	47.94
1853..	2.44	5.30	2.27	3.78	5.63	0.30	3.64	9.40	3.80	3.92	4.43	3.95	48.86
1854..	2.91	4.87	2.84	6.63	4.33	2.47	3.70	0.58	3.86	2.08	6.80	4.64	45.71
1855..	7.22	4.67	1.18	4.28	1.20	3.09	4.15	1.46	1.13	4.61	5.27	5.93	44.19
1856..	5.32	0.80	1.33	4.37	7.10	2.90	4.02	11.11	4.90	2.70	3.33	4.28	52.16
1857..	5.36	2.45	3.09	10.83	5.57	2.02	5.53	7.18	2.56	4.50	2.52	5.26	56.87
1858..	3.28	2.30	2.18	5.18	3.89	8.09	4.56	7.03	5.02	3.03	3.38	4.73	52.67
1859..	5.93	4.05	7.64	3.36	3.63	7.89	1.58	4.72	4.40	3.28	3.75	6.47	56.70
1860..	1.89	3.85	2.19	1.73	2.35	8.01	5.90	4.30	7.35	2.66	5.37	5.86	51.47
1861..	6.04	3.57	7.48	5.89	2.97	3.64	2.76	6.04	1.77	2.66	4.90	2.35	50.06
1862..	8.30	3.29	4.70	1.97	2.70	6.78	7.33	4.20	5.61	4.85	8.32	3.01	61.06
1863..	4.51	4.54	6.42	9.08	2.82	2.56	12.38	5.64	3.12	3.83	6.48	6.34	67.72
1864..	3.87	1.43	11.75	4.72	3.31	1.47	1.90	4.17	2.60	4.80	4.00	5.28	49.30
1865..	4.47	5.08	4.83	2.57	6.90	2.83	4.26	1.42	0.62	6.21	4.46	4.18	47.83
1866..	3.73	5.28	4.70	2.03	5.04	3.41	5.42	3.87	5.90	2.72	3.74	4.86	50.70
1867..	6.06	6.55	6.12	2.52	4.11	2.74	4.76	10.78	0.44	6.76	2.32	2.48	55.64

MONTHLY AND ANNUAL PRECIPITATION—Continued.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Anl.
1868..	6.09	1.88	5.04	6.94	10.38	3.79	1.10	7.53	11.95	1.78	5.31	2.32	64.11
1869..	4.03	9.88	8.74	2.05	6.85	4.44	3.30	2.19	5.18	6.71	3.74	9.04	66.28
1870..	8.16	7.03	4.85	5.42	2.58	7.59	4.01	1.57	0.67	6.80	4.40	3.62	59.73
1871..	0.92	2.63	4.55	3.79	4.34	5.55	3.22	3.08	1.30	5.88	6.42	3.38	45.06
1872..	2.11	2.31	4.05	1.31	3.29	4.84	4.00	10.68	6.04	4.85	3.66	3.09	50.23
1873..	5.76	3.21	3.76	3.83	5.16	0.54	3.84	6.21	2.91	5.33	8.34	5.64	54.53
1874..	4.32	3.41	1.00	7.97	3.71	3.94	3.47	6.67	2.05	1.39	2.85	2.14	43.52
1875..	3.65	3.74	5.04	4.92	3.76	7.25	3.93	3.50	3.12	4.99	5.47	0.75	50.15
1876..	1.87	4.54	7.19	3.61	2.70	1.72	5.86	1.23	3.84	1.66	11.03	3.71	48.96
1877..	3.33	0.45	9.79	4.19	3.38	3.21	2.27	4.49	0.60	3.84	9.62	1.32	51.49
1878..	7.60	4.44	5.91	0.14	1.03	2.28	4.58	7.66	3.47	6.76	8.94	6.76	65.53
1879..	2.79	4.35	3.90	6.58	0.97	6.24	3.09	6.71	1.84	0.91	2.97	4.22	44.57
1880..	3.72	4.11	3.25	2.85	1.63	0.75	6.86	2.90	2.36	3.15	2.30	3.42	37.30
1881..	7.21	4.99	9.26	1.66	4.16	7.79	2.96	1.23	2.50	2.84	3.73	3.80	52.63
1882..	3.68	4.77	3.35	2.50	6.05	1.03	3.91	1.46	10.93	2.29	1.20	2.65	43.82
1883..	3.59	2.74	2.33	2.93	5.11	2.07	2.73	0.39	1.50	6.40	2.08	3.71	35.48
1884..	6.47	5.74	4.36	4.76	3.31	4.01	4.25	5.01	0.31	3.17	3.03	4.46	49.13
1885..	5.35	3.00	1.15	3.30	4.26	3.70	1.44	7.64	1.70	5.71	5.78	2.09	45.10
1886..	7.88	7.04	3.20	1.70	3.08	1.34	1.81	3.64	2.73	3.27	3.59	3.66	42.14
1887..	4.86	3.69	3.86	2.62	1.67	1.98	3.59	3.05	0.97	2.53	2.22	2.71	33.75
1888..	2.26	2.36	3.32	2.04	5.20	2.69	1.79	6.53	6.77	3.58	4.97	4.38	45.89
1889..	4.11	1.54	1.19	3.07	4.15	2.77	5.80	3.95	3.19	3.31	4.91	1.83	39.82
1890..	2.00	2.29	5.85	2.29	4.48	2.21	1.93	2.70	5.04	5.63	0.97	3.72	39.14
1891..	4.39	3.66	3.94	1.71	1.56	3.66	3.73	3.87	2.29	5.56	2.35	3.58	39.70
1892..	4.62	2.15	3.91	0.93	5.15	3.05	2.56	4.87	1.90	2.31	4.45	1.12	37.02
1893..	2.56	6.22	2.80	3.13	5.23	2.20	1.72	6.46	1.59	2.94	1.83	5.16	41.84
1894..	3.0	3.15	1.01	3.78	4.12	0.80	3.09	3.03	2.14	5.11	3.10	4.28	36.62
1895..	3.79	1.11	2.72	3.65	2.71	1.73	2.98	3.24	1.53	6.19	8.07	2.45	40.17
1896..	2.25	3.94	3.41	1.50	1.65	2.71	2.90	2.15	6.40	3.15	3.70	1.70	37.55
1897..	3.16	2.12	2.79	3.17	4.00	4.46	4.22	3.95	2.38	0.41	6.19	3.92	40.77
1898..	3.50	4.81	1.82	6.39	4.33	1.60	4.42	6.38	1.93	7.17	5.32	2.19	49.86
1899..	4.19	3.03	5.95	1.29	0.81	2.86	2.52	2.52	5.09	2.40	2.51	1.52	34.69
1900..	4.20	6.83	4.60	1.90	5.07	1.85	2.69	2.46	4.62	3.41	4.17	2.25	44.05
1901..	1.56	0.66	6.58	7.43	6.31	1.31	5.20	3.25	2.50	3.02	2.41	8.49	45.72
1902..	1.65	4.19	5.29	2.87	1.07	1.77	2.88	2.20	2.08	4.36	1.09	4.48	33.93
1903..	3.43	3.99	5.95	4.43	0.32	7.19	2.99	3.33	2.43	3.95	1.48	2.57	41.97
1904..	4.30	2.49	2.43	9.14	3.35	2.06	1.23	2.19	5.57	2.13	1.70	2.52	39.64
1905..	4.09	1.59	2.25	2.14	1.47	5.23	1.00	3.39	5.10	0.82	1.77	3.23	32.08
1906..	2.96	2.66	5.15	2.15	4.91	2.57	5.38	1.58	2.64	3.88	2.55	3.96	40.69
1907..	2.51	1.88	1.66	3.31	3.12	2.56	1.09	1.10	7.43	2.51	6.02	4.31	37.56
1908..	2.17	2.96	2.97	1.70	3.78	1.08	3.17	4.35	0.68	3.70	0.74	2.47	30.07
1909..	3.94	4.71	3.28	3.92	2.33	4.45	0.97	3.55	5.15	1.07	4.11	3.19	40.67
1910..	4.25	3.44	1.25	2.22	1.02	4.89	1.15	0.98	2.14	1.14	3.75	2.10	28.33
1911..	2.28	2.85	2.95	2.28	0.35	3.67	4.65	4.17	2.95	2.27	4.29	3.07	35.78
1912..	2.87	2.38	4.18	3.07	4.04	0.27	5.16	1.94	1.67	1.00	2.61	5.36	34.55
1913..	2.33	2.99	4.31	4.77	3.22	0.61	2.69	2.86	2.51	6.04	2.15	3.05	33.11
1914..	3.26	3.07	4.16	5.77	2.75	1.40	2.61	3.20	0.21	1.54	2.72	3.46	34.31
1915..	6.33	3.47	T.	1.86	1.64	1.39	3.85	5.63	0.69	2.82	2.14	3.94	38.76
1916..	1.23	5.18	3.20	4.51	2.83	5.04	5.67	2.19	1.90	0.94	1.67	3.09	37.36
1917..	2.82	2.67	3.73	2.72	4.45	4.05	1.10	7.06	1.91	5.33	0.59	2.56	38.99
1918..	3.11	2.35	3.19	3.08	1.99	1.94	2.64	1.56	9.19	0.99	1.20	3.21	34.40
1919..	3.62	2.66	4.11	2.33	4.25	1.08	4.63	5.07	5.83	2.13	5.36	1.63	42.70
1920..	2.72	5.88	3.72	5.68	5.26	5.78	1.56	2.32	1.90	1.64	5.46	3.89	45.81
1921..	2.24	2.61	1.92	4.62	3.64	3.58	11.69	1.63	1.22	1.24	6.19	2.35	42.96
1922..	1.41	2.61	4.35	2.48	5.34	8.05	2.65	4.75	3.66	1.97	0.84	3.01	41.13
1923..	6.07	1.48	2.49	5.26	0.83	2.03	3.36	1.86	0.38	3.37	2.78	4.98	34.89
1924..	3.27	2.61	2.04	3.79	2.81	1.07	2.04	6.86	0.66	1.93	1.93	1.48	41.92
1925..	3.07	1.55	5.21	2.48	2.07	4.59	3.54	1.40	3.45	4.03	3.66	5.20	47.15
1926..	2.53	5.56	2.91	1.73	3.31	1.33	6.06	3.91	1.08	3.58	4.07	3.96	40.03
1927..	2.67	3.28	1.19	1.36	2.50	2.43	4.77	6.73	2.43	3.77	4.71	5.23	41.07
1928..	1.66	2.66	1.56	4.68	3.08	5.56	4.14	2.45	4.47	2.88	1.85	2.61	37.60
1929..	3.82	3.78	2.80	7.52	2.82	2.30	1.35	2.22	0.76	2.38	3.01	4.43	37.19
1930..	2.77	2.23	3.02	2.68	3.39	2.24	3.36	3.03	0.26	5.83	4.09	2.99	35.29
1931..	4.09	4.21	4.66	3.12	4.51	9.13	2.43	4.45	1.67	2.18	0.82	2.90	44.17
1932..	4.24	1.74	5.23	1.67	1.63	2.05	2.10	4.24	4.50	7.18	2.18	1.78	41.65
1933..	2.04	3.77	6.80	7.37	2.74	1.22	2.63	3.41	10.94	3.11	0.65	2.93	47.61
1934..	2.67	4.45	4.04	3.21	1.56	3.11	1.25	1.83	5.67	2.94	1.78	1.64	34.15
1935..	6.13	3.26	1.52	4.77	1.35	5.07	1.10	2.14	2.69	0.34	3.91	0.66	32.04
1936..	6.46	3.66	6.40	3.54	1.70	2.37	1.04	5.15	3.79	2.67	1.33	8.19	46.30
1937..	3.93	1.31	3.57	5.34	2.52	3.47	1.17	4.97	3.69	3.95	4.66	5.09	43.67
M's	*3.55	3.31	3.74	3.55	3.18	3.11	3.42	3.74	3.15	3.36	3.64	3.30	41.05
M's	†3.63	3.44	3.94	3.74	3.48	3.17	3.53	3.95	3.35	3.48	3.88	3.64	43.23

NOTE.—Bold-faced figures indicate greatest and least monthly and annual amounts. * Computed from the Weather Bureau records of 64 yrs. † Averages 117 yrs.

From 1818 to 1822, Dr. Enoch Hale; from 1823 to 1865, Jonathan P. Hall; from 1866 to 1870, Superintendent of Sewers.

KILLING FROSTS

Year	Latest date in spring	Earliest date in autumn	Year	Latest date in spring	Earliest date in autumn
1872.....	April 23	Nov. 5	1906.....	April 3	Oct. 12
1873.....	Mar. 30	Oct. 9	1907.....	April 21	Oct. 22
1874.....	May 3	Nov. 12	1908.....	April 21	Nov. 2
1875.....	April 22	Oct. 13	1909.....	April 29	Oct. 20
1876.....	April 10	Oct. 12	1910.....	Mar. 19	Oct. 31
1877.....	April 19	Oct. 28	1911.....	April 18	Oct. 8
1878.....	Mar. 26	Nov. 3	1912.....	April 9	Oct. 16
1879.....	April 20	Sept. 26	1913.....	April 10	Nov. 1
1880.....	April 13	Oct. 25	1914.....	April 14	Oct. 28
1881.....	April 15	Oct. 5	1915.....	April 4	Nov. 18
1882.....	May 16	Nov. 3	1916.....	April 9	Nov. 6
1883.....	April 26	Oct. 6	1917.....	April 11	Nov. 5
1884.....	April 22	Oct. 19	1918.....	April 12	Nov. 12
1885.....	April 15	Nov. 1	1919.....	April 26	Oct. 30
1886.....	April 9	Oct. 17	1920.....	April 11	Nov. 11
1887.....	April 19	Oct. 26	1921.....	April 18	Oct. 26
1888.....	April 25	Sept. 30	1922.....	April 21	Oct. 19
1889.....	April 8	Oct. 17	1923.....	April 19	Nov. 1
1890.....	April 19	Oct. 22	1924.....	April 3	Oct. 23
1891.....	May 6	Oct. 25	1925.....	April 21	Oct. 28
1892.....	April 25	Oct. 27	1926.....	April 20	Nov. 5
1893.....	April 26	Oct. 17	1927.....	April 9	Nov. 8
1894.....	April 12	Oct. 16	1928.....	April 17	Oct. 27
1895.....	April 11	Oct. 11	1929.....	April 14	Nov. 22
1896.....	April 9	Oct. 9	1930.....	April 24	Oct. 21
1897.....	April 21	Oct. 31	1931.....	April 12	Nov. 7
1898.....	April 27	Oct. 17	1932.....	April 17	Nov. 4
1899.....	April 6	Oct. 3	1933.....	April 23	Oct. 26
1900.....	May 11	Oct. 20	1934.....	April 5	Oct. 13
1901.....	Mar. 31	Oct. 26	1935.....	April 18	Oct. 8
1902.....	Mar. 26	Oct. 22	1936.....	May 16	Oct. 13
1903.....	April 6	Oct. 22	1937.....	April 23	Oct. 15
1904.....	April 20	Oct. 28	1938.....	Apr. 11	Nov. 16
1905.....	April 19	Oct. 26			

Average date last killing frost in spring, April 16. Latest date, May 16, 1882 and 1936.

Average date first killing frost in autumn, October 24. Earliest, September 26, 1879.

Prevailing Wind Movement

Wind	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
North { per cent of time.	11	9	8	9	7	6	5	7	9	9	11	10	....
{ hourly velocity..	10	11	10	10	9	9	8	8	8	9	10	11	....
Northeast { per cent of time.	4	6	7	11	11	9	6	6	7	8	6	4	....
{ hourly velocity..	11	10	10	9	8	8	6	7	8	8	8	9	....
East..... { per cent of time.	4	6	10	14	17	16	13	15	12	8	5	4	....
{ hourly velocity..	11	9	9	10	8	8	6	7	7	7	10	9	....
Southeast. { per cent of time.	4	4	6	5	6	5	5	7	6	5	4	4	....
{ hourly velocity..	8	8	8	8	8	7	6	6	7	7	10	8	....
South { per cent of time.	6	7	8	7	10	9	9	9	9	9	7	6	....
{ hourly velocity..	9	8	11	11	10	9	9	8	10	9	10	10	....
Southwest { per cent of time.	20	15	17	16	20	25	30	24	23	20	21	20	....
{ hourly velocity..	11	10	10	11	9	10	9	9	9	10	10	10	....
West..... { per cent of time.	29	29	23	20	17	20	21	19	18	22	25	30	....
{ hourly velocity..	12	12	12	12	10	10	8	9	9	10	11	12	....
Northwest { per cent of time.	22	24	21	18	12	10	11	13	16	19	21	22	....
{ hourly velocity..	12	12	12	11	10	8	8	8	9	10	10	11	....
Prevailing direction.....	w.	w.	w.	w.	sw.	sw.	sw.	sw.	sw.	w.	w.	w.	w.
Average hourly velocity.....	11	12	12	11	10	10	9	9	9	10	11	11	10

Based on 24 years records: anemometer elevation 188 feet above ground.

Daily Maximum Temperature, 1937

Date	January	February	March	April	May	June	July	August	September	October	November	December
1.....	53	39	45	53	62	95	77	73	85	69	52	44
2.....	41	29	46	43	57	76	79	78	85	65	61	37
3.....	56	34	40	40	77	66	76	83	93	58	54	34
4.....	41	31	57	44	85	73	74	90	93	59	48	37
5.....	46	33	43	45	77	78	88	88	65	74	54	38
6.....	38	33	28	57	68	74	88	91	65	71	54	47
7.....	44	38	35	53	60	75	93	84	75	72	59	50
8.....	53	35	37	61	43	73	99	88	77	56	64	34
9.....	64	51	42	45	62	86	88	79	68	54	66	35
10.....	48	43	26	45	63	77	90	87	73	52	56	34
11.....	34	29	37	51	69	71	80	86	66	50	41	33
12.....	42	48	35	50	77	83	68	84	74	66	47	31
13.....	46	56	31	64	72	83	68	87	63	56	56	24
14.....	59	50	37	71	67	76	78	80	65	51	58	30
15.....	63	39	37	67	63	78	71	83	72	50	55	39
16.....	41	35	49	53	60	73	92	93	77	51	50	39
17.....	46	38	33	46	64	69	91	94	69	53	49	41
18.....	59	39	52	63	66	81	83	86	63	60	49	41
19.....	52	45	51	60	56	62	77	80	63	66	43	44
20.....	32	45	50	61	59	66	77	98	61	71	37	40
21.....	50	45	44	52	75	69	75	95	68	64	35	29
22.....	48	47	45	43	69	73	76	76	64	69	32	48
23.....	38	42	43	42	62	75	86	62	74	66	41	46
24.....	37	37	48	46	75	75	93	69	73	59	41	38
25.....	53	42	37	56	75	80	88	77	69	57	52	42
26.....	41	38	38	50	72	62	84	76	81	62	54	42
27.....	29	39	44	50	65	69	82	72	62	55	58	36
28.....	32	36	38	51	59	65	77	82	55	55	62	34
29.....	37	.....	50	51	70	71	80	79	57	59	60	33
30.....	37	.....	47	53	84	72	76	84	64	67	48	34
31.....	43	.....	42	.....	93	.....	79	84	.....	52	.....	26
Mean	45.3	39.9	41.7	52.2	68.1	74.2	81.7	82.8	70.6	60.3	51.2	37.4

Daily Minimum Temperature, 1937

Date	January	February	March	April	May	June	July	August	September	October	November	December
1.....	36	29	23	31	47	68	63	64	68	52	33	32
2.....	32	10	33	34	45	54	59	64	68	48	41	29
3.....	39	11	27	32	45	53	62	65	73	42	37	24
4.....	32	14	30	33	55	56	60	67	65	43	34	23
5.....	30	27	22	36	57	59	65	69	56	53	37	24
6.....	20	23	17	40	52	59	64	72	51	64	35	27
7.....	24	29	15	41	46	62	70	69	52	49	34	31
8.....	42	26	23	39	44	59	74	70	56	39	46	25
9.....	43	35	25	34	44	58	69	70	52	35	47	25
10.....	27	29	18	35	45	58	71	71	54	44	35	22
11.....	23	24	21	36	42	57	66	73	61	42	27	18
12.....	30	22	21	35	49	59	62	70	62	40	30	17
13.....	34	42	25	38	56	61	58	72	58	42	46	16
14.....	36	34	20	47	44	60	55	65	55	36	50	16
15.....	41	32	30	44	44	65	62	60	54	34	45	24
16.....	21	29	30	41	43	59	68	66	60	37	41	28
17.....	18	19	29	35	48	58	74	70	55	32	41	34
18.....	40	23	36	44	50	58	68	66	48	39	35	37
19.....	30	30	36	47	49	56	64	65	50	56	35	33
20.....	23	31	33	44	46	55	66	74	48	54	34	28
21.....	32	37	36	38	50	56	62	72	45	46	29	22
22.....	38	34	30	38	53	62	58	59	48	53	26	25
23.....	26	31	28	34	52	62	64	57	53	55	23	29
24.....	22	31	28	35	54	58	66	57	55	42	30	22
25.....	37	26	26	36	56	58	71	59	57	39	37	35
26.....	29	30	24	36	53	56	70	63	56	41	36	27
27.....	17	20	23	43	53	56	68	66	50	49	44	22
28.....	15	16	24	43	54	58	63	64	50	51	45	22
29.....	27	.....	26	42	57	58	61	61	50	49	36	22
30.....	25	.....	30	39	58	60	63	65	48	49	32	19
31.....	26	.....	23	.....	63	.....	61	69	.....	38	.....	17
Mean	29.5	26.6	26.5	38.3	50.1	58.6	64.7	66.3	55.3	44.9	36.7	25.0

Daily Precipitation, 1937

Day	January	February	March	April	May	June	July	August	September	October	November	December
1.....		*.01					.02	.55				
2.....	.46	*T.		.33				.08		T.	.03	
3.....	.41	*T.		T.		.18	T.	T.			T.	
4.....			T.			.33			.25	T.		
5.....		*T.	*T.						.68	T.		
6.....		*T.	*.01	.80	.02	.01				.02	.10	2.91
7.....	*.25		.17		.01	.11				T.	*	.45
8.....	.01	.15	.17		.01	.02					T.	
9.....	T.	.11	*T.	.44	.01	T.	.35	.43			.06	*.06
10.....	*.23	*.01	*T.	T.	.01	.02		.28		.40		
11.....						T.		.03	.33	T.		
12.....							.20	.35		T.		
13.....			*.09	T.	.16		.13	T.	1.76	.07	1.65	
14.....	T.	.63		.01	.10	.31			T.		T.	
15.....	.21	*T.	*.09	.13	.51		.25				.10	
16.....	*T.		*.15	.05			.05				.03	*.24
17.....	.20		*T.		.03				.04		T.	.08
18.....	.18		.06	.07		.33		T.		T.		.48
19.....			T.	T.	.73	T.			.17	.02	*.05	
20.....	*.15		*.41		T.					1.36	*.33	
21.....	.15	T.	.42	.15		.62		.32			*.03	*T.
22.....	.66	*.40		1.89	T.	1.40		.41			*T.	
23.....	.10	T.		.18	.12			1.03		1.33		
24.....	*.59	T.	*T.		T.							*.19
25.....	.11	*T.	*.17			.02			T.			.39
26.....			*T.		.02	.07	.12	.01			T.	
27.....				.80	.79	T.		1.48		T.	T.	
28.....			*T.	.43	T.	.05			.46	.62	1.98	*.29
29.....				.06		T.			T.	.13	.30	
30.....						T.				T.		
31.....	.22											
Total.....	3.93	1.31	3.57	5.34	2.52	3.47	1.17	4.97	3.69	3.95	4.66	5.09

T. indicates a trace. *Wholly or partly snow.

Daily Cloudiness, 1937

[Daylight hours; scale 0 to 10]

Day	January	February	March	April	May	June	July	August	September	October	November	December
1.....	5	6	0	0	0	5	6	8	0	8	1	0
2.....	10	3	5	10	1	8	8	6	5	6	7	9
3.....	10	1	0	9	1	7	9	4	1	10	5	1
4.....	3	2	10	6	2	7	2	3	4	10	3	0
5.....	5	10	9	10	8	6	4	4	10	2	7	2
6.....	1	9	10	10	9	7	3	5	5	10	7	10
7.....	10	1	0	6	10	9	9	6	3	4	3	9
8.....	10	10	10	9	10	9	4	7	1	4	9	6
9.....	9	10	8	10	5	3	4	8	0	5	4	6
10.....	10	5	4	10	9	9	3	9	0	10	3	2
11.....	4	4	3	8	1	8	3	6	10	10	0	0
12.....	3	5	2	7	5	2	10	8	4	4	10	0
13.....	2	9	9	5	10	2	9	6	10	7	10	0
14.....	10	10	10	6	10	10	3	2	6	4	10	0
15.....	10	9	10	9	9	4	10	0	1	4	5	5
16.....	5	8	10	9	2	2	5	2	5	2	4	7
17.....	10	1	10	5	7	5	7	3	8	2	10	10
18.....	10	6	6	10	7	10	7	9	3	5	6	10
19.....	10	0	5	2	10	9	5	9	7	10	7	5
20.....	10	7	7	1	8	4	4	4	2	10	10	5
21.....	10	10	9	10	3	10	6	6	0	1	10	7
22.....	10	10	1	10	7	10	0	10	0	10	7	9
23.....	9	2	3	10	9	8	7	10	0	10	0	4
24.....	10	10	2	0	5	1	1	9	0	5	10	8
25.....	10	5	10	2	3	7	3	4	8	3	9	8
26.....	9	7	4	1	9	10	8	10	2	5	10	7
27.....	0	2	6	9	9	9	8	10	7	10	7	1
28.....	5	1	6	10	10	10	5	1	10	10	10	10
29.....	8		1	9	4	8	3	2	8	9	1	2
30.....	0		0	0	4	9	7	8	0	2	1	10
31.....	9		5		1		9	1		4		7
Mean.....	7.3	5.8	5.6	6.8	6.1	6.1	6.9	5.5	5.8	4.0	6.3	5.2

Note.—Clear (0 to 3). Partly cloudy (4 to 7). Cloudy (8 to 10).

THIRD FLOOR

C30
.16
:B74
938

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU

ANNUAL
METEOROLOGICAL
SUMMARY

WITH COMPARATIVE DATA

1938

BOSTON, MASS.

Boston Public Library
Kirstein Business Branch

COMPILED BY
G. H. NOYES

Errata:

Page 4. Precipitation, longest period with, 8 days,
should read July 18-25.

Page 4. Last line, last thunderstorm should be Oct. 28.

Page 10. Second paragraph, 5th line, should read
"respectively".

BOSTON, MASS.

1939

W. B. Boston-2-24-39-1400

SUMMARY FOR YEAR 1938, BOSTON, MASS.

Month.	Temperature.				Relative humidity (per cent).		Precipitation.				Sun-shine		Wind.				Number of days.													
	Mean.		Extremes.		7:30 a. m. Noon 7:30 p. m.		Total.	Greatest in 24 hours.	Date.	Snowfall.	Number of hours.	Percent of possible.	Average hourly velocity.	Prevailing direction.	Highest.		Clear.	Partly cloudy.	Cloudy.	With precipitation (0.01 in. or more).	Snow (0.1 in. or more).	Thunderstorms.	Dense fog.	Max. temp.		Min. temp.				
															Date.	Lowest.								32° or below.	90° or above.	32° or below.	90° or above.			
																												Month.	Minimum.	
January...	35.2	20.8	28.0	57	7	3	19	4.91	1.65	1-2	29.6	121	41	10.7	w.	48 s	25	2	8	12	11	11	8	0	2	14	0	29	0	
February.	38.0	23.1	30.6	53	6	8	28	2.38	0.59	3	10.0	114	39	11.6	nw.	37 nw.	28	2	6	7	15	16	6	0	2	5	0	22	0	
March.....	47.3	30.9	39.1	78	23	7	1	2.42	1.12	16-17	0.3	176	47	12.6	w.	34 ne.	17	1	7	8	16	10	1	0	3	1	0	15	0	
April.....	57.2	40.2	48.7	89	28	25	6	3.22	1.47	8-9	0.9	233	58	12.2	sw.	31 s.	11	0	6	10	14	10	1	2	2	0	0	6	0	
May.....	63.7	47.8	55.8	81	24	41	5	4.42	1.91	14-15	0	27	62	11.0	e.	43 ne.	15	1	4	10	17	14	0	1	4	0	0	0	0	
June.....	76.1	58.4	67.2	93	21	48	1	6.30	2.29	27-28	0	302	66	10.4	sw.	32 ne.	19	1	7	11	12	12	0	2	3	0	1	0	0	
July.....	79.3	64.2	71.8	90	31	54	4	9.46	3.12	21-22	0	242	52	9.3	sw.	31 sw.	23	0	3	12	16	17	0	10	5	0	2	0	0	
August....	82.0	65.2	73.6	94	15	56	29	3.31	2.00	16-17	0	326	76	8.6	w	32 nw.	24	1	7	15	9	12	0	10	3	0	6	0	0	
September	70.3	54.2	62.2	82	1	45	9	6.00	1.63	19-20	0	213	57	12.0	nw	73 s.	21	1	10	7	13	12	0	3	2	0	0	0	0	
October...	63.4	48.6	56.0	87	17	38	7	2.43	1.71	24	0	178	52	11.1	ne.	33 ne.	30	1	10	10	11	10	0	2	3	0	0	0	0	
November	54.3	38.4	46.4	77	7	12	26	2.89	1.27	19-20	10.0	160	54	11.6	sw.	39 nw.	25	2	9	8	13	10	3	0	3	0	3	0	7	0
December.	40.0	27.9	34.0	57	4	13	2	2.80	1.31	5-6	1.9	126	44	11.7	nw.	36 w.	28	2	9	6	16	13	4	0	5	8	0	22	0	
Year..	58.9	43.3	51.1	94	Aug. 15	Jan. 19	70	50.54	3.12	July 21-22	53.3	2470	55	11.1	sw.	73 s.	Sep 21	14	86	116	163	147	30	30	37	31	9	101	0	

Elevation of instruments above ground: thermometers, 33 feet; rain-gage, 3 feet; anemometer 62 feet.

COMPARATIVE DATA AND EXTREMES

Month	Temperature				Precipitation				Relative humidity per cent		Sunshine		† Wind					Average number of days															
	Average daily maximum	Average daily minimum	Normal	Absolute highest	Absolute lowest	Year	Normal	Greatest in 24 hours	Year	Average snowfall	Greatest snowfall in 24 hours	Year	8 a. m.	Noon—local time	8 p. m.	Total hours	Percent	Average hourly velocity	Prevailing direction	Highest velocity	Direction highest velocity	Year	Clear	Partly cloudy	Cloudy	Rain, .01 or more	Snow (trace or more)	Thunderstorms	Dense fog	Max. temp. 90° or above	Minimum temp. 32° or below	Minimum temp. 0° or below	
L'gth of record years.	59	59	46	62	62	62	50	65	65	65	65	65	65	40	14	40	42	42	60	60	60	60	60	63	63	60	31	38	38	59	59	59	59
Jan.	35.8	20.0	27.9	70	1876	1882	3.61	3.25	1881	11.4	14.7	1897	72	63	70	143	49	11.2	w.	50	ne.	1886	9	9	13	12	11	1	1	0	26	1	
Feb.	36.6	21.0	28.8	68	1930	1934	3.37	4.45	1886	13.0	16.0	1921	71	61	66	170	58	11.5	w.	47	e.	1880	10	8	10	10	10	1	0	24	0		
March.	43.4	27.8	35.6	83	1921	1872	3.57	3.04	1877	7.5	12.0	1892	70	58	68	213	57	11.7	w.	56	s.	1877	10	10	12	7	1	1	0	19	0		
April.	54.5	38.3	46.4	89	1938	1874	3.34	3.19	1921	2.2	9.1	1917	69	57	68	231	58	10.9	w.	47	ne.	1891	9	10	11	11	3	1	0	4	0		
May.	65.7	48.6	57.1	97	1880	1882	3.18	3.31	1920	T.	T.	.....	70	61	69	272	59	10.0	sw.	38	e.	1888	9	12	10	11	3	2	2	0	0	
June.	75.2	57.8	66.5	100	1925	1932	2.89	5.35	1875	0	0	.....	72	59	71	289	63	9.5	sw.	33	e.	1903	10	9	11	10	0	3	1	2	0	
July.	80.1	63.3	71.7	104	1911	1879	3.49	6.04	1921	0	0	.....	71	61	72	294	64	9.1	sw.	47	sw.	1879	9	13	9	10	0	5	1	4	0	
August.	77.8	62.0	69.9	98	1917	1894	3.62	4.99	1879	0	0	.....	76	61	77	268	63	8.7	sw.	38	s.	1893	11	11	9	10	0	4	1	2	0	
Sept.	71.2	55.2	63.2	102	1881	1914	3.14	5.63	1933	0	0	.....	77	62	75	229	62	9.3	sw.	73	s.	1938	12	9	9	9	0	2	1	0	0	
October.	61.6	45.5	53.6	90	1881	1936	3.15	4.92	1895	T.	0.5	1884	75	58	72	196	56	10.0	w.	48	ne.	1896	11	10	10	9	3	2	0	1	0		
Nov.	49.3	34.8	42.0	78	1931	1875	3.33	5.43	1876	1.5	12.0	1898	73	65	71	142	48	10.8	w.	51	w.	1875	9	9	12	10	3	1	0	10	0		
Dec.	39.6	25.4	32.5	69	1912	1933	3.45	3.36	1937	7.9	12.3	1909	74	62	69	135	48	11.0	w.	47	e.	1900	9	9	13	11	8	1	0	22	1		
Year...	57.6	41.6	49.6	104	1911	1934	40.14	6.04	1921	43.5	16.0	1921	73	61	71	2582	57	10.3	w.	73	s.	1938	118	118	129	125	42	18	14	9	106	3	

† Anemometer, 188 feet above ground: October 1933 to December 1935, anemometer 360 feet, record not used. § Less than 1.

48-5-1937.

Monthly and Annual Mean Temperatures

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	An'l.
1840..	20.0	30.8	34.4	48.4	55.6	66.2	71.8	70.3	59.9	49.5	36.6	24.7	47.4
1841..	27.9	22.3	33.1	41.1	53.2	67.4	69.8	68.5	62.3	44.6	36.4	30.0	46.4
1842..	27.2	31.6	37.4	44.4	51.7	62.6	72.7	67.5	58.2	47.9	34.8	23.5	46.6
1843..	29.7	16.8	25.4	43.5	54.5	64.2	69.2	69.9	60.6	47.5	34.3	26.9	45.2
1844..	15.4	24.6	33.8	48.4	57.4	65.1	68.2	67.8	64.0	45.5	34.3	27.0	46.0
1845..	27.2	27.6	36.2	46.3	56.6	68.1	72.1	71.3	60.2	51.8	44.3	25.6	48.9
1846..	27.4	21.3	38.2	49.5	55.8	65.0	71.6	70.2	66.7	51.2	43.2	27.4	49.0
1847..	26.4	25.9	30.8	42.0	53.4	64.7	73.0	68.1	61.0	47.7	44.1	34.8	47.7
1848..	29.1	24.7	32.2	45.5	57.8	64.8	70.2	69.6	58.6	49.8	36.2	34.4	47.7
1849..	21.0	18.4	35.8	43.5	52.5	67.7	71.6	69.2	60.0	49.2	45.0	26.9	46.9
1850..	27.2	29.4	32.6	42.4	51.4	67.2	71.6	67.0	61.0	51.4	41.0	25.2	47.3
1851..	25.5	29.9	36.2	44.5	55.5	64.8	71.4	68.0	61.1	52.9	34.8	22.9	47.3
1852..	20.8	27.4	32.9	41.0	56.8	67.4	72.4	66.6	62.1	50.4	38.3	35.0	47.6
1853..	25.8	29.2	35.8	45.1	56.4	66.8	70.6	67.5	61.2	47.8	39.6	26.4	47.7
1854..	23.9	23.5	32.4	42.3	58.7	65.6	74.4	68.4	61.5	52.5	41.2	24.4	47.4
1855..	28.4	20.2	32.3	44.1	53.4	65.5	72.2	67.3	61.4	51.5	40.0	28.6	47.1
1856..	16.8	20.9	27.0	44.0	52.6	68.1	72.7	67.2	63.0	51.1	38.7	24.0	45.5
1857..	15.2	33.6	32.9	41.8	54.7	63.4	71.6	68.2	62.0	51.3	41.3	33.2	47.4
1858..	30.9	22.2	31.6	45.2	52.9	67.8	69.9	66.6	61.8	53.0	35.3	28.0	47.1
1859..	25.4	28.5	38.6	42.9	58.1	64.2	69.7	68.0	58.8	46.5	42.0	24.4	47.3
1860..	27.7	25.8	38.4	44.2	56.1	65.4	68.1	69.5	59.7	50.8	43.4	26.6	48.0
1861..	23.0	32.6	35.0	44.3	54.5	65.9	71.9	67.6	62.0	54.2	38.4	30.6	48.3
1862..	22.9	22.7	32.7	44.0	58.3	63.6	69.3	70.1	60.1	53.0	40.0	27.6	47.0
1863..	28.8	25.1	27.2	44.2	59.1	65.3	73.2	73.2	60.3	51.9	42.3	25.7	48.0
1864..	25.0	27.4	34.4	42.1	56.4	67.8	73.6	73.3	60.1	47.8	39.6	27.4	47.9
1865..	16.8	24.2	37.9	49.6	58.1	73.1	73.4	71.1	66.7	48.2	40.2	29.6	49.1
1866..	22.4	27.9	32.8	47.8	53.4	66.1	74.4	65.5	62.0	49.6	41.6	27.2	47.6
1867..	18.6	32.2	30.8	44.7	53.1	66.9	69.2	70.4	60.0	50.9	38.7	23.1	46.6
1868..	22.0	20.1	32.3	42.1	50.8	64.2	73.6	69.7	59.9	46.4	36.5	25.6	45.3
1869..	27.9	28.9	26.6	43.6	54.0	64.2	70.8	67.6	62.3	48.7	36.4	28.4	46.6
1870..	32.7	24.5	30.0	46.6	57.6	68.5	72.9	71.8	62.7	53.3	41.1	32.6	49.5
M'ns.	24.5	25.8	33.2	44.5	55.2	66.1	71.5	68.9	61.3	49.9	39.3	27.7	47.3

These temperature records were made at the Astronomical Observatory of Harvard College, which is located on Concord Avenue and Bond Street, Cambridge, Mass., about three miles from the Weather Bureau station in Boston, Mass.

MISCELLANEOUS DATA FOR 1938.

Barometric Pressure (reduced to sea level).—Mean, 30.02 inches; highest, 30.88 inches, February 2; lowest, 29.06 inches, April 9.

Temperature.—Greatest monthly range, 65°, November; least monthly range, 36°, July. Highest mean temperature of three consecutive days, 83°, August 3–5; lowest mean temperature of three consecutive days, 15°, January 17–19.

Precipitation.—Longest period without precipitation, 12 days, October 2–13; longest period with precipitation, 8 days, July 13–25. Greatest amount in 24 consecutive hours, 3.12 inches, July 21–22. Maximum amount in 5 minutes, 0.35 inch, July 22; 10 minutes, 0.46 inch, August 16; 15 minutes, 0.70 inch, August 16; 30 minutes, 1.23 inches, August 16; 1 hour, 1.59 inches, August 16.

Frost.—Last killing frost in spring, April 11. First killing frost in autumn, November 16.

Snow.—Greatest snowfall in 24 hours, 11.0 inches, January 13. Greatest depth of snow on ground, 8.0 inches, January 13. Last snow in spring occurred on April 8; first in autumn occurred on November 15.

Thunderstorms.—First thunderstorm occurred on April 1; last thunderstorm occurred on September 27.

Monthly and Annual Mean Temperatures

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	An'l
1871...	26.0	28.6	41.5	47.0	57.9	65.9	70.8	71.7	59.3	54.0	36.6	27.9	48.9
1872...	27.4	28.1	26.0	46.6	59.4	68.9	75.6	73.0	64.5	51.8	40.6	23.2	48.8
1873...	25.1	26.3	33.9	45.0	56.8	67.3	72.9	69.8	62.8	53.5	33.4	32.0	48.2
1874...	30.5	27.0	34.4	38.8	55.4	66.0	72.6	68.0	64.4	53.2	41.6	31.3	48.6
1875...	20.1	22.3	31.4	42.6	57.9	66.7	72.1	71.0	66.6	50.2	35.0	29.6	46.6
1876...	30.7	27.4	33.4	43.9	54.6	68.8	74.0	70.2	59.9	48.2	41.4	22.2	47.9
1877...	24.8	34.2	34.9	44.2	55.0	66.8	71.1	72.2	65.2	52.0	44.2	36.4	50.1
1878...	28.0	30.6	39.6	48.2	56.5	64.6	73.7	69.7	64.2	56.1	40.8	30.3	50.2
1879...	24.2	24.6	33.6	42.4	60.2	64.8	70.8	69.3	62.0	57.6	38.8	32.3	48.4
1880...	34.6	31.8	33.2	46.4	63.7	68.6	71.8	70.8	65.2	52.2	38.2	26.7	50.3
1881...	22.0	27.9	37.2	43.6	56.6	61.7	70.2	71.4	67.6	54.4	43.6	39.0	49.6
1882...	26.0	30.4	36.0	42.8	50.6	66.8	73.2	71.5	64.0	55.4	39.0	30.4	48.8
1883...	24.4	28.8	30.8	45.2	56.5	70.1	71.7	68.2	59.8	47.7	42.8	29.1	47.9
1884...	24.1	31.2	34.2	43.8	54.8	67.2	68.6	69.7	66.9	52.6	41.4	33.8	49.0
1885...	27.4	20.6	27.6	47.2	53.2	66.8	71.8	67.8	60.1	51.6	44.0	32.7	47.6
1886...	25.8	26.6	33.3	48.6	56.8	63.2	71.2	68.2	63.1	52.0	43.2	28.4	48.4
1887...	25.0	28.7	31.5	44.2	59.6	65.2	74.6	67.6	59.8	51.5	42.2	32.4	48.5
1888...	20.1	28.3	32.2	42.6	53.0	66.8	68.8	70.2	59.8	47.8	43.8	34.6	47.3
1889...	35.8	26.0	38.2	47.8	60.3	69.2	69.4	67.4	62.8	48.5	44.6	38.0	50.7
1890...	32.4	33.2	34.9	46.3	57.0	64.2	71.0	68.9	62.9	51.0	41.8	26.0	49.1
1891...	31.1	32.0	33.6	48.0	55.8	65.0	69.0	70.0	66.7	51.6	41.4	40.4	50.4
1892...	28.3	28.4	32.9	48.4	55.9	69.6	73.0	70.2	62.5	52.7	41.2	29.9	49.4
1893...	20.7	26.8	32.8	44.4	56.3	64.8	71.4	69.6	60.0	54.8	42.2	30.4	47.9
1894...	30.1	26.6	42.5	47.0	57.6	68.8	73.7	68.0	64.8	54.0	38.2	32.2	50.3
1895...	28.8	24.6	34.6	46.0	60.2	66.8	69.3	71.0	65.7	49.6	45.4	35.6	49.8
1896...	24.9	28.7	32.0	47.2	60.3	66.1	71.8	70.7	62.2	50.2	46.5	30.4	49.2
1897...	28.4	30.9	36.9	49.0	57.6	62.3	71.6	69.6	63.1	54.4	41.4	34.0	49.9
1898...	28.7	32.8	42.8	43.8	55.8	65.8	71.8	73.1	66.2	54.2	42.0	32.0	50.8
1899...	29.0	26.8	34.0	48.1	57.8	70.0	72.6	68.8	62.0	54.5	42.1	36.2	50.2
1900...	30.0	29.3	34.0	48.6	55.2	68.6	73.8	71.1	65.0	56.6	44.6	34.4	50.8
1901...	27.6	24.2	36.2	43.5	54.3	68.2	73.4	70.7	65.4	54.4	37.2	32.4	49.0
1902...	26.6	28.8	43.4	48.4	57.6	64.3	67.8	67.6	62.6	53.6	46.2	28.5	49.6
1903...	26.8	31.4	44.4	47.8	58.5	59.8	71.4	65.0	64.4	53.9	40.0	29.0	49.4
1904...	21.6	22.6	34.6	44.6	60.8	64.0	71.4	68.7	62.5	50.6	38.2	25.8	47.1
1905...	25.1	23.4	37.2	46.8	57.6	65.2	73.2	68.6	62.0	53.6	41.6	35.1	49.1
1906...	35.7	29.7	32.4	47.2	58.0	66.4	70.1	72.0	65.0	52.5	41.7	29.1	50.0
1907...	27.0	21.6	37.9	43.4	52.4	65.1	72.4	69.6	64.4	49.8	43.2	37.2	48.7
1908...	31.0	26.8	36.6	46.8	59.0	69.8	74.1	69.4	65.8	55.4	43.6	33.3	51.2
1909...	30.3	32.6	36.8	47.8	55.8	69.4	71.5	69.4	62.6	52.8	46.4	30.8	50.5
1910...	32.0	29.5	42.0	51.6	57.6	65.2	74.9	68.8	62.8	56.0	41.2	27.5	30.8
1911...	31.8	27.0	35.4	46.1	62.4	65.6	77.1	69.0	62.6	52.6	41.8	39.4	50.9
1912...	21.4	27.7	36.0	47.4	58.6	68.0	73.2	69.0	63.7	57.4	45.6	38.5	50.5
1913...	39.2	27.7	42.4	48.0	55.2	67.5	73.8	70.8	62.0	56.4	46.5	37.8	52.3
1914...	28.7	24.3	36.7	45.3	60.4	67.3	68.6	70.4	64.6	57.0	42.7	30.4	49.7
1915...	33.0	33.2	35.8	50.8	56.6	63.9	70.1	69.1	66.8	55.7	45.4	34.2	51.2
1916...	33.0	25.5	30.6	45.6	58.6	62.6	72.6	71.8	65.0	55.5	42.6	32.6	49.7
1917...	30.2	25.8	37.2	44.0	50.7	65.8	73.3	72.8	60.2	51.9	39.4	23.7	47.9
1918...	21.0	26.9	36.7	47.8	63.3	63.9	71.0	70.4	61.2	56.2	45.0	34.7	49.8
1919...	33.2	32.6	40.8	46.9	59.1	67.2	74.0	68.8	63.9	55.1	42.8	28.7	51.1
1920...	21.0	27.6	39.2	45.0	54.6	65.8	72.4	72.0	65.2	59.8	41.7	35.6	50.0
1921...	32.1	32.6	46.2	51.8	58.0	68.2	73.2	69.8	68.5	55.2	41.6	31.4	52.4
1922...	27.2	32.0	39.8	48.7	61.4	68.6	72.0	70.4	65.2	55.1	43.8	30.9	51.3
1923...	27.0	23.4	33.9	48.2	57.6	69.3	70.0	69.4	64.2	55.5	44.6	40.4	50.3
1924...	31.9	26.6	37.4	47.2	56.2	66.6	73.8	71.8	62.2	54.6	44.6	31.1	50.3
1925...	27.2	38.0	43.0	49.8	57.4	70.9	72.4	71.2	64.0	49.3	43.6	33.6	51.7
1926...	31.0	27.8	34.2	44.8	56.0	64.3	70.5	70.4	62.4	53.4	44.2	28.6	49.0
1927...	30.6	32.6	41.6	48.3	55.2	65.0	72.2	67.4	65.0	57.9	49.6	36.0	51.8
1928...	33.0	29.6	37.0	46.8	55.4	65.0	73.2	73.6	62.4	56.6	44.8	38.5	51.3
1929...	29.0	31.7	41.4	47.1	61.0	68.4	72.6	69.3	65.2	53.2	44.7	32.6	51.4
1930...	31.8	34.1	38.3	47.6	59.4	72.4	72.6	70.5	69.4	53.0	45.0	33.2	52.3
1931...	30.6	30.6	39.3	50.2	60.3	67.2	74.0	72.2	66.9	58.5	49.4	36.6	53.0
1932...	38.8	30.6	35.6	47.4	60.2	66.4	72.8	74.0	65.2	57.1	42.8	38.1	52.4
1933...	37.8	33.7	35.7	46.5	61.6	69.6	70.8	71.8	65.8	52.7	38.3	26.8	50.9
1934...	29.6	17.5	35.1	48.0	60.6	66.9	73.2	67.3	64.6	49.6	45.6	28.4	48.9
1935...	23.2	27.8	38.4	45.2	55.5	65.5	72.6	70.7	61.4	53.8	45.4	27.1	48.9
1936...	28.2	22.8	41.8	45.2	60.6	66.2	71.1	69.7	62.6	54.4	39.5	35.0	49.7
1937...	37.4	33.2	34.1	45.2	59.1	66.4	73.2	74.6	63.0	52.6	44.0	31.2	51.2
1938...	28.0	30.6	39.1	48.7	55.8	67.2	71.8	73.6	62.2	56.0	46.4	34.0	51.1
M'ns	28.6	28.5	36.4	46.5	57.5	66.5	72.1	70.1	63.7	53.6	42.3	32.2	49.8

NOTE.—Bold-face figures indicate highest and lowest monthly means.

SEASONAL SNOWFALL.

Years	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Season
1871-2	0	T.	12.3	3.4	11.3	17.3	0	0	44.3
1872-3	0	0.3	23.7	11.6	8.3	5.2	T.	T.	49.1
1873-4	0	7.5	13.7	20.3	22.7	3.9	28.3	0	96.4
1874-5	0	T.	5.7	10.4	0.3	27.3	6.3	0	50.0
1875-6	0	T.	1.1	0.5	5.4	3.0	T.	0	10.0
1876-7	0	0.3	9.0	17.5	T.	15.5	T.	0	42.3
1877-8	T.	T.	0.8	14.3	12.6	T.	0	0	27.7
1878-9	0	0.3	1.2	18.2	11.9	7.8	4.0	0	43.4
1879-0	0	6.0	18.6	3.2	11.4	15.0	0	0	54.2
1880-1	0	0.8	19.2	20.5	9.0	3.1	4.2	0	56.8
1881-2	0	1.5	T.	15.4	17.9	5.6	0	0	40.4
1882-3	0	10.0	6.0	9.6	9.0	4.3	T.	0	38.9
1883-4	0	T.	24.4	11.9	12.5	7.7	9.5	0	66.0
1884-5	0.5	4.8	2.3	3.9	3.3	9.5	T.	0	24.3
1885-6	0	0.5	5.5	21.5	4.0	4.5	T.	0	36.0
1886-7	0	T.	18.5	16.0	12.0	11.5	15.0	0	73.0
1887-8	0	T.	6.5	13.1	9.6	12.0	T.	T.	41.2
1888-9	0	4.8	T.	4.5	7.5	2.2	0	0	19.0
1889-0	0	T.	4.0	8.5	6.3	20.3	0	0	39.1
1890-1	0	T.	14.5	14.8	13.8	16.2	T.	0	59.3
1891-2	T.	0	T.	12.0	11.5	20.0	0	0	43.5
1892-3	0	3.0	2.0	14.6	35.3	4.5	7.9	0	67.3
1893-4	0	0.4	18.5	15.0	21.6	T.	8.5	0	64.0
1894-5	0	6.7	13.5	13.9	8.8	3.8	0.5	0	47.2
1895-6	0	T.	5.2	9.5	9.5	14.5	0.2	0	38.9
1896-7	0	2.2	8.6	18.2	10.9	3.3	T.	0	43.2
1897-8	0	8.1	7.8	16.3	11.5	6.0	2.2	0	51.9
1898-9	0	17.8	7.7	6.1	30.2	9.3	T.	0	71.1
1899-0	T.	0.1	T.	8.3	9.0	7.6	0	T.	25.0
1900-1	0	0.1	0.8	7.8	8.8	T.	0	0	17.5
1901-2	0	0	12.6	11.0	13.0	7.5	T.	0	44.1
1902-3	T.	T.	22.8	4.2	14.7	0.3	T.	0	42.0
1903-4	0	0	10.6	35.7	16.5	8.9	1.4	0	73.1
1904-5	T.	T.	12.0	21.3	8.0	3.6	T.	0	44.9
1905-6	0	T.	3.5	6.1	6.1	21.9	T.	0	37.6
1906-7	0	1.1	15.5	16.1	25.5	6.6	3.1	T.	67.9
1907-8	0	0	7.0	4.3	9.3	4.8	0.8	0	26.2
1908-9	0	T.	3.5	11.2	2.3	3.1	0	0	20.1
1909-0	T.	T.	12.3	11.9	12.6	0.2	0	0	37.0
1910-1	0	1.4	8.2	0.7	19.5	3.1	7.7	0	40.6
1911-2	0	0.3	3.7	17.8	0.2	9.1	0.5	0	31.6
1912-3	0	0.3	9.2	0.3	7.7	0.5	1.4	0	19.4
1913-4	0.4	T.	0.9	10.3	20.6	5.2	2.0	0	39.4
1914-5	T.	T.	4.1	7.0	5.1	T.	6.1	0	22.3
1915-6	0	0.2	6.7	4.8	30.3	33.0	4.2	0	79.2
1916-7	0	0.7	9.5	13.1	8.9	12.9	9.1	T.	54.2
1917-8	0	2.2	7.0	13.8	5.7	12.8	4.2	0	45.7
1918-9	0	T.	8.4	4.1	6.2	2.4	T.	0	21.1
1919-0	0	0.2	2.9	24.8	32.5	11.0	2.0	T.	73.4
1920-1	0	1.8	5.5	3.6	23.2	T.	T.	0	34.1
1921-2	0	1.6	4.4	2.7	15.5	10.1	3.3	0	37.6
1922-3	0	0.9	14.7	28.0	14.3	10.6	T.	0	68.5
1923-4	0	T.	3.0	8.5	10.4	7.4	3.0	0	32.3
1924-5	0	0.5	0.2	20.7	T.	T.	T.	0	21.4
1925-6	T.	T.	0.5	7.4	27.6	2.8	T.	0	38.3
1926-7	0	T.	24.2	16.1	19.2	0.6	0.2	0	60.3
1927-8	0	0.5	T.	5.1	8.7	6.5	T.	0	20.8
1928-9	T.	1.4	4.6	13.5	21.4	4.0	0.6	0	45.5
1929-0	0	3.0	10.6	7.7	9.5	0.6	T.	0	31.4
1930-1	0	0.1	7.7	11.7	14.0	7.3	T.	0	40.8
1931-2	0	T.	1.4	6.2	10.8	5.8	T.	0	24.2
1932-3	0	T.	8.6	1.3	20.6	5.1	5.0	0	40.6
1933-4	0	2.9	15.6	0.8	32.9	10.5	T.	0	62.7
1934-5	T.	T.	1.6	26.7	13.1	2.1	1.9	0	45.4
1935-6	0	1.0	0.3	12.7	12.6	2.9	T.	0	29.5
1936-7	0	4.4	0.7	2.0	T.	1.9	T.	0	9.0
1937-8	0	0.3	4.6	29.6	10.0	0.3	0.9	0	45.7
1938-9	0	10.0	1.9	.....	.....	.....	.....	.....	.....
Means	T.	1.6	7.7	11.7	12.8	7.3	2.1	T.	43.2

Hours of Sunshine

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1893...	.....	161	221	212	219	222	289	241	231	219	184	130	.....
1894...	135	159	222	208	260	256	340	275	216	165	143	148	2556
1895...	143	218	215	202	287	254	253	289	255	208	110	123	2557
1896...	155	167	208	246	263	260	235	262	191	132	110	184	2412
1897...	136	159	165	227	196	258	220	270	258	230	119	132	2370
1898...	164	142	194	174	193	234	252	242	266	171	126	153	2316
1899...	185	160	168	292	292	323	316	210	216	150	164	180	2652
1900...	154	146	237	234	232	311	320	261	225	146	120	142	2527
1901...	134	208	158	106	212	332	266	223	218	236	134	121	2349
1902...	152	170	187	175	295	295	253	304	190	196	120	142	2479
1903...	149	174	203	261	347	183	300	249	289	212	180	168	2715
1904...	151	164	197	211	251	249	277	262	229	184	141	107	2452
1905...	150	188	224	261	298	268	319	271	191	224	179	127	2700
1906...	144	192	223	254	307	293	259	292	271	173	130	81	2649
1907...	91	141	192	204	211	254	336	312	159	199	103	129	2363
1908...	171	186	196	254	267	366	314	255	243	206	166	138	2760
1909...	102	155	223	237	233	361	374	314	213	225	119	157	2763
1910...	123	171	259	236	233	259	338	282	208	210	101	127	2547
1911...	110	141	238	300	329	306	228	281	241	175	171	135	2764
1912...	136	202	238	234	251	390	339	301	224	226	170	160	2902
1913...	141	203	193	236	272	353	335	287	224	90	150	140	2623
1914...	106	192	166	217	252	279	254	201	274	209	148	122	2419
1915...	134	166	292	220	299	291	275	256	275	200	160	138	2705
1916...	149	144	228	206	274	278	260	306	275	232	160	167	2678
1917...	118	171	224	204	214	257	306	307	267	186	193	112	2558
1918...	165	170	248	250	311	304	271	264	207	165	143	110	2608
1919...	134	213	178	185	276	330	301	260	193	134	125	126	2451
1920...	147	143	237	183	252	238	343	246	226	228	88	152	2484
1921...	163	159	210	174	288	332	274	339	269	224	94	132	2659
1922...	172	114	178	248	332	251	294	224	252	214	139	96	2514
1923...	116	160	193	241	291	231	255	286	222	200	145	118	2512
1924...	162	199	234	224	225	239	347	275	222	251	171	122	2723
1925...	141	156	210	261	274	311	301	294	209	145	160	134	2596
1926...	106	126	211	236	283	270	268	200	215	196	160	130	2401
1927...	133	118	255	343	218	306	241	233	266	253	132	152	2651
1928...	191	201	247	279	262	249	298	242	193	230	105	171	2669
1929...	171	162	211	182	326	346	367	296	205	193	136	118	2712
1930...	113	181	236	293	271	306	274	294	275	195	155	130	2724
1931...	208	170	193	275	284	268	244	240	243	223	149	125	2622
1932...	96	137	222	257	338	291	343	339	268	174	165	150	2780
1933...	175	207	195	197	282	289	291	239	200	218	149	95	2537
1934...	118	183	237	278	311	287	286	241	120	187	130	140	2518
1935...	142	132	225	162	254	207	248	267	163	251	90	126	2265
1936...	175	167	204	192	320	289	369	254	212	198	148	115	2643
1937...	121	163	236	208	244	244	309	257	259	162	141	150	2492
1938...	121	114	176	233	279	302	242	326	213	178	160	126	2470
Aver. age	143	170	213	231	272	239	294	268	229	196	142	135	2582
Pos- sible	295	†297	371	401	452	455	461	429	374	343	295	284	4457

† Leap years not considered.

EXTREMES OF BAROMETRIC PRESSURE, 1872-1938

Sea Level Pressure

MONTH	PRESSURE						
	Average	Maximum	Year	Day	Minimum	Year	Day
January.....	30.05	31.00	1920	31	28.67	1913	3
February.....	30.00	31.03	1920	1	28.69	1895	8
March.....	29.99	30.96	1904	5	28.45	1932	7
April.....	29.97	30.72	1911	12	28.86	1907	9
May.....	29.98	30.63	1936	22	29.11	1929	3
June.....	29.97	30.57	1884	15	29.26	1923	27
July.....	29.95	30.51	1892	7	29.21	1932	2
August.....	30.01	30.48	1934	31	29.26	1924	26
September.....	30.08	30.65	1888	7	29.09	1938	21
October.....	30.06	30.75	1879	3	28.97	1925	25
November.....	30.02	30.87	1932	28	28.73	1873	18
December.....	30.02	30.96	1887	1	28.80	1915	14
Average or Extremes.....	30.01	31.03	1920	Feb. 1	28.45	1932	Mar. 7

Maximum Amounts of Precipitation

Month	5 min's		10 min's		15 min's		30 min's		1 hour		2 hours		24 hours	
	Am't	Yr.	Am't	Yr.	Am't	Yr.	Am't	Yr.	Am't	Yr.	Am't	Yr.	Am't	Yr.
Jan.	.15	1936	.25	1936	.29	1936	.40	1936	.57	1919	.81	1919	3.25	1881
Febr.	.10	*1926	.14	*1918	.20	1920	.33	1920	.49	1920	.71	1920	4.45	1886
Mar.	.15	1913	.23	1913	.26	1913	.39	1913	.54	*1932	1.03	1932	3.04	1877
April	.13	1933	.19	1921	.24	1920	.31	1920	.50	1931	.78	*1931	3.19	1921
May	.55	1932	.62	1932	.63	1932	.65	1932	.69	1926	.94	1926	3.31	1920
June	.42	1925	.72	1905	.75	1905	.90	1925	1.07	1922	1.28	1922	5.35	1875
July	.50	1927	.67	1916	.85	1916	1.33	1916	1.62	1921	2.45	1915	6.04	1921
Aug.	.55	1908	.91	1908	1.12	1908	1.45	1908	1.80	1901	2.27	1917	4.99	1879
Sept.	.25	1902	.43	1927	.62	*1927	1.01	1911	1.10	1904	1.74	1904	5.63	1933
Oct.	.34	1928	.54	1928	.67	1928	.86	1906	1.58	1906	1.74	1906	4.92	1895
Nov.	.21	1925	*.31	1932	.39	1927	*.62	1932	.83	1932	.94	1927	5.43	1876
Dec.	.15	1937	.21	1937	.26	1937	.45	1937	.81	1937	1.47	1937	3.36	1932
High- est	.55	1908	.91	1908	1.12	1908	1.45	1908	1.80	1901	2.45	1915	6.04	1921

** 1871 to 1937, other data 1901 to 1937. * Several occurrences.

MONTHLY AND ANNUAL PRECIPITATION.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	An'l.
1818..	2.64	3.49	4.05	6.15	5.96	3.47	4.08	0.46	7.81	2.11	1.91	0.86	42.99
1819..	0.70	2.27	6.21	3.74	3.06	3.56	2.02	4.38	5.29	1.40	1.22	1.63	35.48
1820..	3.12	4.25	4.90	0.45	5.08	3.42	4.19	5.15	2.43	5.39	3.00	2.80	44.18
1821..	1.41	4.42	2.53	4.90	4.84	2.79	2.35	1.58	4.73	2.29	3.12	1.93	36.89
1822..	1.29	2.34	2.02	2.99	0.78	3.54	4.32	1.20	2.15	2.53	2.58	1.46	27.20
1823..	3.00	4.57	7.72	2.21	6.40	0.93	5.74	1.98	1.95	3.95	1.92	6.93	47.30
1824..	3.95	5.99	1.81	4.72	1.43	1.60	0.88	3.68	6.43	1.01	1.72	2.80	36.02
1825..	2.79	3.43	4.70	0.37	1.36	4.77	1.24	5.62	2.66	3.21	0.81	4.38	35.34
1826..	2.55	1.48	3.81	1.50	0.25	3.85	2.90	12.10	3.03	3.80	2.31	3.56	41.14
1827..	3.92	2.97	2.51	4.75	5.34	2.56	2.59	4.88	4.81	5.28	5.71	3.59	48.91
1828..	2.15	2.79	1.84	2.00	4.67	1.59	4.58	0.37	3.82	2.79	5.55	0.26	32.41
1829..	4.93	5.62	4.30	3.45	2.71	1.64	6.98	4.95	2.62	1.65	5.74	2.26	46.85
1830..	2.36	1.63	3.51	1.21	3.93	3.46	4.90	2.64	5.65	2.38	5.32	5.96	42.95
1831..	4.44	3.68	3.07	6.97	3.65	4.32	5.53	5.57	3.83	4.42	3.20	2.93	51.61
1832..	4.47	3.74	2.65	5.56	7.27	0.50	3.41	6.14	2.07	2.46	3.57	4.85	46.69
1833..	2.96	2.53	2.71	2.30	1.03	3.23	2.01	0.82	2.88	6.00	5.53	5.86	37.86
1834..	1.39	1.13	0.96	2.93	6.33	3.09	7.71	2.47	3.71	4.62	2.90	2.36	39.60
1835..	3.25	1.37	4.27	4.54	2.07	2.74	9.07	2.89	1.31	1.87	2.08	2.40	37.86
1836..	8.84	3.57	2.90	1.58	1.85	4.33	2.12	1.53	0.54	4.04	5.43	4.13	40.86
1837..	4.10	4.14	3.02	3.07	5.79	2.98	1.80	1.67	0.56	1.58	2.35	2.46	33.52
1838..	3.07	2.77	3.09	2.62	3.32	2.55	1.20	4.26	9.87	5.02	3.95	0.80	42.52
1839..	0.98	3.11	1.18	7.73	4.27	2.25	3.32	5.70	2.00	2.50	1.71	6.35	41.10
1840..	3.12	2.57	4.55	4.60	2.23	2.78	2.93	4.00	2.12	4.48	11.63	4.15	49.16
1841..	6.00	1.60	3.50	8.82	1.90	1.95	2.10	4.20	2.86	3.80	4.55	5.77	47.05
1842..	0.80	3.20	3.35	3.50	2.90	5.30	1.82	4.44	3.25	0.80	4.45	5.30	39.11
1843..	2.20	6.08	6.17	3.88	1.60	4.61	2.15	6.88	0.98	4.82	3.40	3.92	46.69
1844..	3.68	2.42	6.00	0.20	2.72	1.40	2.17	2.62	3.53	5.80	3.15	3.85	37.54
1845..	4.58	4.25	3.83	1.23	2.82	2.05	3.28	1.82	2.23	4.00	10.25	5.98	46.32
1846..	3.12	2.95	2.73	1.23	2.02	2.25	2.51	1.80	1.30	1.35	4.17	4.52	29.95
1847..	3.28	4.70	4.77	2.20	2.03	4.09	2.65	6.45	6.64	1.05	5.12	3.95	46.93
1848..	2.30	3.90	4.05	1.40	6.30	1.73	1.35	3.10	3.55	5.10	2.25	5.95	40.98
1849..	0.35	1.15	7.35	0.90	3.10	1.45	0.85	6.25	1.25	8.10	5.50	4.05	40.30
1850..	4.59	2.52	5.32	4.82	6.63	2.77	2.70	5.30	7.15	2.10	3.32	6.76	53.98
1851..	1.30	4.20	3.88	9.37	3.31	1.80	3.09	1.27	3.50	4.43	5.51	2.65	44.31
1852..	4.85	2.85	4.45	10.18	1.95	2.35	3.28	7.63	1.65	2.19	3.47	3.09	47.94
1853..	2.44	5.30	2.27	3.78	5.63	0.30	3.64	9.40	3.80	3.92	4.43	3.95	48.86
1854..	2.91	4.87	2.84	6.63	4.33	2.47	3.70	0.58	3.86	2.08	6.80	4.64	45.71
1855..	7.22	4.67	1.18	4.28	1.20	3.09	4.15	1.46	1.13	4.61	5.27	5.93	44.19
1856..	5.32	0.80	1.33	4.37	7.10	2.90	4.02	11.11	4.90	2.70	3.33	4.28	52.16
1857..	5.36	2.45	3.09	10.83	5.57	2.02	5.53	7.18	2.56	4.50	2.52	5.26	56.87
1858..	3.28	2.30	2.18	5.18	3.89	8.09	4.56	7.03	5.02	3.03	3.38	4.73	52.67
1859..	5.93	4.05	7.64	3.36	3.63	7.89	1.58	4.72	4.40	3.28	3.75	6.47	56.70
1860..	1.89	3.85	2.19	1.73	2.35	8.01	5.90	4.30	7.35	2.66	5.37	5.86	51.47
1861..	6.04	3.57	7.48	5.89	2.97	3.64	2.76	6.04	1.77	2.66	4.90	2.35	50.06
1862..	8.30	3.29	4.70	1.97	2.70	6.78	7.33	4.20	5.61	4.85	8.32	3.01	61.06
1863..	4.51	4.54	6.42	9.08	2.82	2.56	12.38	5.64	3.12	3.83	6.48	6.34	67.72
1864..	3.87	1.43	11.75	4.72	3.31	1.47	1.90	4.17	2.60	4.80	4.00	5.28	49.30
1865..	4.47	5.08	4.83	2.57	6.90	2.83	4.26	1.42	0.62	6.21	4.46	4.18	47.83
1866..	3.73	5.28	4.70	2.93	5.04	3.41	5.42	3.87	5.90	2.72	3.74	4.86	50.70
1867..	6.06	6.55	6.12	2.52	4.11	2.74	4.76	10.78	0.44	6.76	2.32	2.48	55.64

MONTHLY AND ANNUAL PRECIPITATION—Continued.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Anl.
1865..	6.09	1.88	5.04	6.94	10.38	3.79	1.10	7.53	11.95	1.78	5.31	2.32	64.11
1866..	4.03	9.88	8.74	2.05	6.88	4.44	3.30	2.19	5.18	6.71	3.74	9.04	66.28
1870..	8.16	7.03	4.88	8.42	2.58	7.59	4.01	1.57	0.67	6.80	4.40	3.62	59.73
1871..	0.92	2.63	4.55	3.79	4.34	5.55	3.22	3.08	1.30	5.88	6.42	3.38	45.06
1872..	2.11	2.31	4.05	1.31	3.29	4.84	4.00	10.68	6.04	4.85	3.66	3.09	50.23
1873..	5.76	3.21	3.76	3.83	5.16	0.54	3.84	6.21	2.91	5.33	8.34	5.64	54.53
1874..	4.32	3.41	1.60	7.97	3.71	3.94	3.47	6.67	2.05	1.39	2.85	2.14	43.52
1875..	3.68	3.74	5.04	4.92	3.76	7.25	3.93	3.50	3.12	4.99	5.47	0.75	50.15
1876..	1.87	4.54	7.19	3.61	2.70	1.72	5.86	1.23	3.84	1.66	11.03	3.71	48.96
1877..	3.33	0.45	9.79	4.19	3.38	3.21	2.27	4.49	0.60	8.84	9.62	1.32	51.49
1878..	7.00	4.40	5.91	6.14	1.03	2.28	4.58	7.66	3.47	6.76	8.94	6.76	65.53
1879..	2.79	4.35	3.90	6.58	0.97	6.24	3.09	6.71	1.84	0.91	2.97	4.22	44.57
1880..	3.72	4.11	3.25	2.85	1.63	0.75	6.86	2.90	2.36	3.15	2.30	3.42	37.30
1881..	7.21	4.89	9.86	1.06	4.16	7.79	2.96	1.23	2.50	2.84	3.73	3.80	52.63
1882..	3.68	4.77	3.35	2.50	6.05	1.03	3.91	1.46	10.93	2.29	1.20	2.65	43.82
1883..	3.59	2.74	2.33	2.83	5.11	2.07	2.73	0.39	1.50	6.40	2.08	3.71	35.48
1884..	6.27	5.74	4.86	4.76	3.31	4.01	4.25	5.01	0.31	3.17	3.03	4.46	49.18
1885..	5.33	3.00	1.15	3.30	4.26	3.70	1.44	7.64	1.70	5.71	5.78	2.09	45.10
1886..	7.08	7.04	3.20	1.70	3.08	1.34	1.81	3.64	2.73	3.27	3.59	3.66	42.14
1887..	4.86	3.69	3.86	2.62	1.67	1.98	3.59	3.05	0.97	2.53	2.22	2.71	33.75
1888..	2.26	2.36	3.32	2.04	5.20	2.69	1.79	6.53	6.77	3.58	4.97	4.38	45.89
1889..	4.11	1.54	1.19	3.07	4.15	2.77	5.80	3.95	3.19	3.31	4.91	1.83	39.82
1890..	2.00	2.29	5.88	2.29	4.48	2.21	1.93	2.70	5.04	5.63	0.97	3.72	39.14
1891..	4.39	3.66	3.94	1.71	1.56	3.66	3.73	3.87	2.29	5.56	2.35	3.58	39.70
1892..	4.62	2.15	3.91	0.93	5.15	3.05	2.56	4.87	1.90	2.31	4.45	1.12	37.02
1893..	2.56	6.22	2.80	3.13	5.23	2.20	1.72	6.46	1.59	2.94	1.83	5.16	41.84
1894..	3.01	3.15	1.01	3.78	4.12	0.80	3.09	3.03	2.14	5.11	3.10	4.28	36.62
1895..	3.79	1.11	2.72	3.65	2.71	1.73	2.98	3.24	1.53	6.19	8.07	2.45	40.17
1896..	2.25	3.94	5.41	1.56	1.68	2.71	2.90	2.15	6.40	3.15	3.70	1.70	37.55
1897..	3.16	2.12	2.79	3.17	4.00	4.46	4.22	3.95	2.38	0.41	6.19	3.92	40.77
1898..	3.50	4.81	1.82	6.39	4.33	1.60	4.42	6.38	1.93	7.17	5.32	2.19	49.86
1899..	4.19	3.03	5.95	1.29	0.81	2.86	2.52	2.52	5.09	2.40	2.51	1.52	34.69
1900..	4.20	6.83	4.60	1.90	5.07	1.85	2.69	2.46	4.62	3.41	4.17	2.25	44.05
1901..	1.56	0.66	6.58	7.43	6.31	1.31	5.20	3.25	2.50	3.02	2.41	8.49	48.72
1902..	1.65	4.19	5.29	2.87	1.07	1.77	2.88	2.20	2.08	4.36	1.09	4.48	33.93
1903..	3.43	3.90	5.95	4.43	0.32	7.19	2.99	3.33	2.43	3.95	1.48	2.57	41.97
1904..	4.80	2.49	2.43	9.14	3.38	2.06	1.23	2.19	5.57	2.13	1.70	2.52	39.64
1905..	4.09	1.59	2.25	2.14	1.47	5.23	1.00	3.39	5.10	0.82	1.77	3.23	32.08
1906..	2.96	2.66	5.45	2.15	4.91	2.57	5.38	1.58	2.64	3.88	2.55	3.96	40.69
1907..	2.54	1.88	1.66	3.31	3.12	2.56	1.09	1.10	7.43	2.54	6.02	4.31	37.56
1908..	2.47	2.06	2.97	1.70	3.78	1.08	3.17	4.35	0.68	3.70	0.74	2.47	30.07
1909..	3.94	4.71	3.28	3.92	2.33	4.45	0.97	3.55	5.15	1.07	4.11	3.19	40.67
1910..	4.25	3.44	1.25	2.22	1.02	4.89	1.15	0.98	2.14	1.14	3.75	2.10	28.33
1911..	2.28	2.85	2.95	2.28	0.35	3.67	4.65	4.17	2.95	2.27	4.29	3.07	35.78
1912..	2.87	2.38	4.18	3.67	4.04	0.27	5.16	1.94	1.67	1.00	2.61	5.36	34.55
1913..	2.38	2.99	4.81	4.77	3.22	0.64	2.69	2.86	2.51	6.04	2.15	3.05	38.11
1914..	3.26	3.07	4.16	5.87	2.78	1.40	2.64	3.20	0.21	1.54	2.72	3.46	34.31
1915..	6.33	3.47	T.	1.86	1.64	1.39	8.85	5.63	0.69	2.82	2.14	3.94	38.76
1916..	1.23	5.18	3.20	4.51	2.83	5.04	5.67	2.19	1.90	0.94	1.67	3.00	37.36
1917..	2.82	2.67	3.73	2.72	4.45	4.05	1.10	7.66	1.91	5.33	0.59	2.56	38.99
1918..	3.11	2.30	3.19	3.08	1.99	1.94	2.64	1.56	9.19	0.99	1.20	3.21	34.40
1919..	3.62	2.66	4.11	2.33	4.25	1.08	4.63	5.07	5.83	2.13	5.36	1.63	42.70
1920..	2.72	5.88	3.72	5.68	5.26	5.78	1.56	2.32	1.90	1.64	5.46	3.89	45.81
1921..	2.24	2.64	1.92	4.62	3.64	3.58	11.69	1.63	1.22	1.24	6.19	2.35	42.96
1922..	1.41	2.64	4.35	2.48	5.34	8.05	2.63	4.75	3.66	1.97	0.84	3.01	41.13
1923..	6.07	1.48	2.49	5.26	0.83	2.03	3.36	1.86	0.38	3.37	2.78	4.98	34.89
1924..	3.27	2.61	2.04	3.79	2.81	1.07	2.04	6.86	6.96	0.06	1.93	1.48	34.92
1925..	3.97	1.55	5.21	2.48	2.07	4.59	3.54	1.40	3.45	4.03	3.66	5.20	41.15
1926..	2.53	5.56	2.91	1.73	3.31	1.33	6.06	3.91	1.08	3.58	4.07	3.96	40.03
1927..	2.67	3.28	1.19	1.36	2.50	2.43	4.77	6.73	2.43	3.77	4.71	5.23	41.07
1928..	1.66	2.66	1.56	4.68	3.08	5.56	4.14	2.45	4.47	2.88	1.85	2.61	37.60
1929..	3.82	3.78	2.80	7.52	2.82	2.30	1.35	2.22	0.76	2.38	3.01	4.43	37.19
1930..	2.77	2.23	3.02	2.08	3.39	2.24	3.36	3.03	0.26	5.83	4.09	2.99	35.29
1931..	4.09	4.21	4.66	3.12	4.51	9.13	2.43	4.45	1.67	2.18	0.82	2.90	44.17
1932..	4.24	1.74	5.28	1.67	1.63	2.05	2.10	4.24	4.50	7.18	5.24	1.78	41.65
1933..	2.04	3.77	6.80	7.37	2.74	1.22	2.63	3.41	10.94	3.11	0.65	2.93	47.61
1934..	2.67	4.45	4.04	3.21	1.56	3.11	1.25	1.83	5.67	2.94	1.78	1.64	34.15
1935..	6.13	3.26	1.52	4.77	1.35	5.07	1.10	2.14	2.69	0.34	3.91	0.66	32.94
1936..	6.46	3.66	6.40	3.54	1.70	2.37	1.04	5.15	3.79	2.67	1.33	8.19	46.30
1937..	3.93	1.31	3.57	5.34	2.52	3.47	1.17	4.97	3.69	3.95	4.66	5.09	43.67
1938..	4.91	2.38	2.42	3.22	4.42	6.30	9.46	3.31	6.00	2.43	2.89	2.80	50.54
M'ns	*3.63	3.28	3.77	3.57	3.16	3.15	3.39	3.73	3.25	3.33	3.59	3.36	41.21
M'ns	†3.68	3.42	3.95	3.78	3.45	3.19	3.51	3.98	3.41	3.46	3.84	3.66	43.33

NOTE.—Bold-faced figures indicate greatest and least monthly and annual amounts. * Computed from the Weather Bureau records of 68 yrs. † Averages 121 yrs.

From 1818 to 1822, Dr. Enoch Hale; from 1823 to 1865, Jonathan P. Hall; from 1866 to 1870, Superintendent of Sewers.

Boston Public Library
Kirstein Business Branch

THE HURRICANE - SEPTEMBER 21, 1938.

On the evening of the 18th a storm center of tropical cyclonic type was located about 1000 miles to the east-southeastward of Miami, Florida; on the morning of the 20th the center was about 375 miles northeastward of Miami, and moving about northward. At 7:30 a.m. of the 21st the center was about 75 miles eastward of Cape Hatteras, moving north-northeastward about 35 to 40 miles per hour; at 10 a.m. it was off Cape Henry, and at 1:10 p.m. it was off Atlantic City, with a pressure reading of 28.99 inches, and at 2:15 p.m. it was off Sandy Hook, pressure 28.71. From Cape Henry to Sandy Hook, the advance was at a rate of about 65 miles per hour. The storm crossed central Long Island near Brentwood, moving nearly north, and passed slightly to the westward of New Haven at 3:50 p.m.; Hartford was passed, also slightly to the westward, at 4:17 p.m. Its course was then closely to the westward of the Connecticut River, passing Amherst at 5:06 p.m. Thereafter its track curved more and more to the northwestward, and the center passed Hanover, N. H. at 6:20 p. m.; Northfield, Vt, at 7:30 p. m. and Burlington at 8:00 p. m. The storm's forward advance was then retarding rapidly, and the center was diminishing in its depth of gradient. During the night it passed into western Quebec with diminished force and movement. The lowest pressure readings in New England were 28.11 at New Haven, 28.04 at Hartford, and 28.41 at Amherst. The rate of movement of the center from Sandy Hook to Burlington was nearly if not quite 60 miles per hour, so that the rate of advance from Cape Henry to Burlington was definitely more than 60 miles per hour. Low pressure readings, at several other points, New York City, 28.72; Bridgeport, 28.30; Danbury, 28.76; Worcester and Albany, 28.68; Rutland, Vt. 28.74; and Newport, Vt. 28.90.

Boston was in the eastern quadrant of the storm, and the wind moved 53 miles from 4 p. m. to 5 p. m.; 68 miles from 5 p. m. to 6 p. m.; 57 miles from 6 p. m. to 7 p. m.; and 49 miles from 7 p. m. to 8 p. m. The highest 5-minutes movements in each of these hours, respectfully, were at the rates of 57, 73, 60, and 55 miles per hour. The fastest mile was at the rate of 87 miles per hour at 5:23 p. m. The resulting destruction from the wind in the vicinity of Boston was largely from falling trees and their branches, on electric wires. Chimneys, roofs, signs and plate-glass windows were severely damaged. The greatest prostration of service was that of electric power and telephone, many of which were not restored for ten days to two weeks. The stupendously tragic storm wave, which wrecked the "South Shore", had but little effect in Boston Harbor, although many small craft were destroyed by the wind. The torrential rains which came before the hurricane, in central and western parts of New England, caused but little primary effect in the neighborhood of Boston, but did terminate transportation by land from Boston to points beyond Fitchburg, Springfield, and Hartford. For nearly a week the only travel between Boston and New York City was by boat or plane. This was without question the most destructive storm in this region since that of September 22, 1815, and these two storms appear to have been of greatly similar type and force.

Daily Maximum Temperature, 1938

Date	January	February	March	April	May	June	July	August	September	October	November	December
1.....	37	26	39	68	68	77	71	84	82	62	59	43
2.....	38	29	56	50	72	74	79	90	65	57	60	26
3.....	37	48	47	46	68	73	69	92	74	57	55	41
4.....	38	45	28	47	61	67	69	90	81	61	69	57
5.....	43	38	44	43	62	79	84	92	72	72	72	52
6.....	41	53	47	43	60	77	78	83	69	55	73	57
7.....	57	50	42	40	66	84	77	90	69	52	77	49
8.....	40	35	39	42	68	68	83	79	66	60	74	51
9.....	28	47	38	38	68	80	87	83	62	63	64	47
10.....	27	47	34	42	65	75	90	77	65	64	60	50
11.....	22	27	40	48	66	70	78	66	73	78	56	45
12.....	30	36	39	69	51	88	68	75	71	83	65	44
13.....	30	38	53	50	61	67	79	83	79	79	61	40
14.....	33	43	50	79	66	73	81	88	70	62	58	44
15.....	24	34	36	77	58	67	86	94	75	65	44	30
16.....	30	26	40	51	58	61	85	94	72	61	42	35
17.....	30	33	39	56	69	77	89	77	60	87	54	43
18.....	16	49	37	63	56	85	75	79	58	61	65	39
19.....	25	40	59	74	69	82	66	76	65	72	66	36
20.....	32	33	58	81	62	80	71	86	78	73	45	35
21.....	33	30	66	61	74	93	75	86	75	60	50	32
22.....	33	37	61	52	62	84	81	84	70	58	60	31
23.....	36	41	78	58	60	88	73	86	65	64	54	28
24.....	42	38	66	54	81	88	72	73	81	64	34	35
25.....	55	34	48	49	64	89	82	77	67	55	25	40
26.....	42	35	45	65	60	79	83	76	74	65	31	33
27.....	27	37	47	77	60	57	86	83	73	64	29	53
28.....	22	35	46	89	63	53	75	72	71	56	37	29
29.....	30	.....	60	56	57	70	85	73	72	57	42	32
30.....	53	.....	40	49	56	74	87	75	54	52	48	34
31.....	55	.....	44	.....	65	.....	90	78	.....	46	.....	30
Mean	35.2	38.0	47.3	57.2	63.7	76.1	79.3	82.0	70.3	63.4	54.3	40.0

Daily Minimum Temperature, 1938

Date	January	February	March	April	May	June	July	August	September	October	November	December
1.....	12	15	7	43	43	43	58	70	60	48	35	17
2.....	26	13	39	37	53	49	62	73	56	43	45	13
3.....	27	27	9	35	49	60	56	75	54	44	48	17
4.....	26	33	8	32	44	55	54	74	61	46	47	41
5.....	29	24	25	29	41	55	57	76	55	46	51	32
6.....	26	36	28	25	45	57	63	71	50	46	62	42
7.....	34	24	25	32	43	61	59	73	53	38	61	41
8.....	27	19	26	30	49	56	64	64	51	39	58	37
9.....	20	31	23	35	47	58	68	62	45	47	43	43
10.....	18	16	25	30	50	57	67	62	47	46	40	42
11.....	14	10	22	28	48	59	62	57	51	49	41	39
12.....	10	18	33	44	42	64	62	60	53	56	48	35
13.....	24	33	33	39	42	57	62	61	61	57	50	31
14.....	24	34	32	45	47	56	65	65	53	57	36	29
15.....	11	17	26	46	45	53	70	73	59	52	33	21
16.....	9	10	26	43	46	54	64	70	53	52	32	17
17.....	14	15	35	40	48	55	67	68	53	57	38	32
18.....	5	32	32	48	48	59	66	65	56	50	38	34
19.....	3	33	36	53	47	62	63	66	57	53	41	32
20.....	20	25	40	50	52	60	63	63	62	55	38	29
21.....	23	18	50	48	55	66	67	67	60	49	37	26
22.....	29	21	44	44	48	64	68	62	54	44	41	21
23.....	29	31	42	42	51	70	69	66	56	50	34	19
24.....	23	34	39	40	56	70	68	64	55	53	24	28
25.....	42	25	34	42	50	69	65	61	48	45	13	28
26.....	23	20	38	40	49	57	68	60	47	43	12	22
27.....	16	25	33	48	54	55	68	61	55	52	23	29
28.....	10	8	30	56	51	55	64	59	53	52	21	17
29.....	15	.....	39	42	50	54	62	56	53	51	25	14
30.....	29	.....	39	41	47	56	71	58	49	46	38	18
31.....	26	.....	39	.....	41	.....	67	60	.....	40	.....	18
Mean	20.8	23.1	30.9	40.2	47.8	58.4	64.2	65.2	54.2	48.6	33.4	27.9

Daily Precipitation, 1938

Day	January	February	March	April	May	June	July	August	September	October	November	December
1.....	*1.40			.09			.21	.02	.01	.01		
2.....	.50			.03			.08	.01				
3.....		*.59	*T.			T.	T.					
4.....			*.31	*.01		.57	T.		T.			.06
5.....			.10			.03	.01					.48
6.....		.27	.10		.02		.05	.15			T.	.84
7.....	.36	.07			.03	T.		T.	.19			
8.....			*T.	*.85	.01	.02		.35			.05	.10
9.....		.01		.67	T.						.15	.18
10.....		T.		*T.	.10		.09	T.				.60
11.....						.37	.70	.21				*.01
12.....	*.03		*.06	T.	.43	.65	.42		.27			T.
13.....	*.81	.14	T.		T.	.41	T.	T.	.65		.10	
14.....		.12	T.	T.	.36		.05			.06		
15.....				.43	1.57		T.		.36		*T.	
16.....	*T.		.69		.01	.01		1.67		T.		
17.....	*.45	.03	.69	T.	T.			.33	.56		.13	T.
18.....		.07	*.01	.60			.92	.10	1.19		T.	*.02
19.....		.03		T.	T.	.13	.40	.01	.67		1.24	*.07
20.....		*.50	.01		.04		.88		1.50	.05	.03	*T.
21.....	*.07			T.			2.33		.10	.04		*T.
22.....	*.22	*.04		.06	.26		.83					*T.
23.....	*.04	*.05					1.76	T.	T.		.13	*T.
24.....	T.	*.02	T.		.19		.55	.13	T.	1.71	*.27	*.06
25.....	*.81	*.32		T.	T.		T.				*.27	*T.
26.....	*T.		*.41		.29	1.10					*.27	*T.
27.....		*.01	T.		1.10	1.73	.11	.32	.19	.12	*.52	*.32
28.....		*.11			T.	1.26	T.			.39		
29.....				.27	.01	.02	.07			.01		*T.
30.....			.05	.21			T.	.01	.31	.02		*.02
31.....	*.22		.09							.02		*.04
Total	4.91	2.38	2.42	3.22	4.42	6.30	9.46	3.31	6.00	2.43	2.89	2.80

T. indicates a trace. *Wholly or partly snow.

Daily Cloudiness, 1938
[Daylight hours; scale 0 to 10]

Day	January	February	March	April	May	June	July	August	September	October	November	December
1.....	10	3	9	2	3	0	10	9	8	3	0	0
2.....	7	4	5	7	3	0	7	2	6	1	3	3
3.....	0	10	8	2	5	9	6	0	4	7	9	8
4.....	10	7	9	8	4	10	8	4	5	4	5	1
5.....	4	5	10	2	4	9	6	8	4	0	4	10
6.....	2	10	6	9	9	5	1	7	0	10	10	10
7.....	10	8	4	4	6	5	5	8	10	5	5	4
8.....	5	3	6	10	10	9	4	8	0	2	8	9
9.....	0	10	1	10	5	1	2	6	0	5	2	10
10.....	10	0	10	7	9	4	5	2	0	6	0	10
11.....	5	5	6	1	7	10	7	10	0	4	7	10
12.....	5	6	10	9	10	8	10	4	10	4	3	10
13.....	9	10	10	9	5	6	5	4	7	2	10	0
14.....	7	10	10	6	8	1	9	7	8	10	3	5
15.....	6	1	3	10	10	7	8	8	10	9	3	0
16.....	4	1	9	0	9	10	1	6	5	8	5	2
17.....	10	8	10	7	4	7	7	10	10	2	10	10
18.....	2	10	10	10	4	6	10	8	10	0	10	10
19.....	0	10	2	8	9	7	10	6	10	5	10	10
20.....	5	10	10	4	10	0	10	3	10	9	9	10
21.....	7	0	3	6	4	1	10	4	10	7	0	8
22.....	10	7	0	10	9	7	10	6	0	1	6	3
23.....	10	10	8	8	9	8	10	4	8	9	10	10
24.....	10	10	6	5	9	4	10	6	3	10	10	10
25.....	10	10	0	10	8	3	6	5	1	2	7	0
26.....	2	4	10	5	8	10	10	9	0	2	9	4
27.....	3	10	6	2	10	10	8	6	6	7	8	7
28.....	1	10	3	7	9	10	9	0	0	10	3	0
29.....	6		5	10	10	9	10	1	8	10	9	7
30.....	6		10	10	0	6	4	3	10	9	6	7
31.....	10		10		0		7			10		9
Mean	6.0	7.0	6.7	6.6	6.8	6.1	7.3	5.5	5.4	5.6	6.1	6.4

Note.—Clear (0 to 3). Partly cloudy (4 to 7). Cloudy (8 to 10).

THIRD FLOOR

Kirstein Business Library

MAR 8 1940

C30

.16

:B74

939

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU

ANNUAL
METEOROLOGICAL
SUMMARY

WITH COMPARATIVE DATA

1939

BOSTON, MASS.

COMPILED BY
G. H. NOYES

BOSTON, MASS.

1940

W. B. Boston-2-21-40-1400

SUMMARY FOR YEAR 1939, BOSTON, MASS.

Month.	Temperature.				Relative humidity (per cent).			Precipitation.			Sun-shine		Wind.			Number of days.																		
	Mean.		Extremes.		Relative humidity (per cent).			Precipitation.			Sun-shine		Wind.			Number of days.																		
	Maximum.	Minimum.	Monthly.	Highest.	Lowest.	Date.	7:30 a. m.	Noon	7:30 p. m.	Total.	Greatest in 24 hours.	Date.	Snowfall.	Number of hours.	Percent of possible.	Average hourly velocity.	Prevailing direction.	Velocity.	Direction.	Date.	Gales (32 miles per hour or over).	Clear.	Partly cloudy.	Cloudy.	With precipitation (0.01 in. or more).	Snow (0.1 in. or more).	Thunderstorms.	Dense fog.	Max. temp.	Min. temp.				
January...	35.0	20.7	27.8	55	10	4	27	65	59	62	2.18	1.06	30-31	7.5	119	40	12.7	nw.	43	ne.	30	5	4	8	19	12	11	1	1	12	0	26	0	
February.	40.6	23.7	32.2	66	20	9	17	76	69	72	3.79	0.81	28-1	4.7	135	46	11.9	w.	47	sw.	15	2	7	4	17	13	4	1	3	5	0	23	0	
March.....	40.3	26.1	33.2	58	6	9	11	74	63	64	5.23	1.77	12-13	16.5	180	49	12.6	nw.	42	ne.	12	3	9	5	17	15	6	0	3	5	0	22	0	
April.....	50.4	36.9	43.6	69	22	26	13	72	60	67	4.54	1.25	17-18	0.2	177	44	11.4	w.	34	e.	2	1	2	8	20	14	1	2	3	0	0	7	0	
May.....	64.8	48.1	56.4	90	28	39	1	70	55	68	1.29	0.56	21-22	0	279	62	10.7	e.	28	ne.	29	0	5	14	12	6	0	2	1	0	1	0	0	0
June.....	73.1	58.2	65.6	88	21	52	18	69	60	66	2.70	0.70	14	0	295	65	11.0	s.	28	s	30	0	6	14	10	10	0	3	0	0	0	0	0	0
July.....	81.0	63.6	72.3	93	8	56	3	72	51	67	0.75	0.37	14	0	325	70	9.7	sw.	25	w.	31	0	2	21	8	4	0	3	5	0	5	0	0	0
August....	81.5	66.2	73.8	92	22	60	31	79	61	74	2.14	0.56	20	0	260	61	10.0	s.	32	nw.	30	1	6	14	11	9	0	4	3	0	2	0	0	0
September	73.4	55.6	64.5	96	16	45	27	76	56	72	1.01	0.33	26-27	0	230	62	10.8	sw.	34	sw.	25	1	10	8	12	7	0	3	1	0	2	0	0	0
October...	63.1	45.2	54.2	87	10	31	24	73	53	65	4.77	3.17	30-31	0	150	44	11.5	nw.	37	ne.	3	1	9	8	14	12	0	1	2	0	0	3	0	0
November	48.5	33.0	40.8	61	16	21	14	64	47	53	1.14	1.01	5	1	170	53	12.8	w	56	ne.	5	4	13	9	8	2	1	0	0	0	0	14	0	0
December.	40.5	26.4	33.4	57	1	6	27	67	55	62	2.91	1.03	2-3	6.5	108	38	12.4	w.	41	nw.	8	1	7	6	18	8	4	0	1	7	0	20	0	0
Year..	57.7	42.0	49.8	96	Sept. 16	4	Jan. 27	71	....	66	32.45	3.17	Oct. 30-31	36.4	2428	54	11.4	w	56	ne.	Nov. 5	19	80	119	166	112	27	20	23	29	10	115	0	0

Elevation of instruments above ground : thermometers, 33 feet; rain-gage, 3 feet; anemometer 62 feet.

COMPARATIVE DATA AND EXTREMES

Month	Temperature				Precipitation				Relative humidity per cent		Sunshine		† Wind				Average number of days																
	Average daily maximum	Average daily minimum	Normal	Year	Greatest in 24 hours	Year	Average snowfall	Greatest snowfall in 24 hours	Year	8 a. m.	Noon—local time	8 p. m.	Total hours	Percent	Average hourly velocity	Prevailing direc- tion	Highest velocity	Direction highest velocity	Year	Clear	Partly cloudy	Cloudy	Rain, .01 or more	Snow (trace or more)	Thunderstorms	Dense fog	Max. temp. 90° or above	Minimum temp. 32° or below	Minimum temp. 0° or below				
L'gth of record years—	59	59	50	62	62	62	62	62	62	40	14	40	42	42	60	60	60	60	60	60	63	63	60	31	38	38	53	59	59				
Jan.....	35.8	20.0	27.9	70	1876	-13	1882	3.61	3.25	1881	11.4	14.7	1897	72	63	70	143	49	11.2	w.	50	ne.	1886	9	9	13	12	11	\$	1	0	26	
Feb.....	36.6	21.0	28.8	68	1930	-18	1934	3.37	4.45	1886	13.0	16.0	1921	71	61	66	170	58	11.5	w.	*47	sw.	1939	10	8	10	10	10	\$	1	0	24	
March....	43.4	27.8	35.6	83	1921	-8	1872	3.57	3.40	1877	7.5	12.0	1892	68	58	68	213	57	11.7	w.	56	s.	1877	10	9	12	12	7	1	0	0	19	
April....	54.5	38.3	46.4	89	1938	11	1874	3.34	3.19	1921	2.2	9.1	1917	69	57	68	281	58	10.9	w.	47	ne.	1891	9	10	11	11	3	1	0	0	4	
May.....	65.7	48.6	57.1	97	1880	31	1882	3.18	3.31	1920	T.	T.	.....	70	61	69	272	59	10.0	sw.	38	e.	1893	10	9	12	10	11	\$	2	1	0
June.....	75.2	57.8	66.5	100	1925	42	1932	2.89	5.35	1875	0	0	.....	72	59	71	289	63	9.5	sw.	33	e.	1903	10	9	11	10	0	3	1	2	0
July.....	80.1	63.3	71.7	104	1911	50	1879	3.49	6.04	1921	0	0	.....	71	61	72	294	64	9.1	sw.	47	sw.	1879	9	13	9	10	0	5	1	2	0
August..	77.8	62.0	69.9	98	1917	47	1894	3.62	4.99	1879	0	0	.....	76	61	77	268	63	8.7	sw.	38	s.	1893	11	11	9	10	0	4	1	2	0
Sept.....	71.2	55.2	63.2	102	1881	34	1914	3.14	3.63	1933	T.	0	.....	77	62	75	229	62	9.3	sw.	73	s.	1938	12	9	9	9	0	1	0	0	0
October..	61.6	45.5	53.6	90	1881	25	1936	3.15	4.92	1876	1.5	12.0	1884	75	58	72	196	56	10.0	w.	43	ne.	1890	11	10	10	9	0	2	0	1	0	
Nov.....	49.3	34.8	42.0	78	1931	-2	1875	3.33	5.43	1876	7.9	12.3	1909	73	65	71	142	48	10.8	w.	56	ne.	1939	9	9	12	10	3	1	0	10	\$	
Dec.....	39.6	25.4	32.5	69	1912	-17	1933	3.45	3.36	1937	7.9	12.3	1909	74	62	69	135	48	11.0	w.	47	e.	1900	9	9	9	13	11	0	22	1	\$	
Year...	57.6	41.6	49.6	104	1911	-18	1934	40.14	6.04	1921	43.5	16.0	1921	73	61	71	2582	57	10.3	w.	73	s.	1938	118	118	129	125	42	18	14	9	106	3

† Anemometer, 138 feet above ground :

October 1933 to December 1935, anemometer 360 feet, record not used. § Less than 1. * Has occurred on previous date.

† Anemometer, 188 feet above ground: October 1933 to December 1935, anemometer 360 feet, record not used. § Less than 1. * Has occurred on previous date.

Monthly and Annual Mean Temperatures

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Anl.
1840..	20.0	30.8	34.4	48.4	55.6	66.2	71.8	70.3	59.9	49.5	36.6	24.7	47.4
1841..	27.9	22.3	33.1	41.1	53.2	67.4	69.8	68.5	62.3	44.6	36.4	30.0	46.4
1842..	27.2	31.6	37.4	44.4	51.7	62.6	72.7	67.5	58.2	47.9	34.8	23.5	46.6
1843..	29.7	16.8	25.4	43.5	54.5	64.2	69.2	69.9	60.6	47.5	34.3	26.9	45.2
1844..	15.4	24.6	33.8	48.4	57.4	65.1	68.2	67.8	64.0	45.5	34.3	27.0	46.0
1845..	27.2	27.6	36.2	46.3	56.6	68.1	72.1	71.3	60.2	51.8	44.3	25.6	48.9
1846..	27.4	21.3	38.2	49.5	55.8	65.0	71.6	70.2	66.7	51.2	43.2	27.4	49.0
1847..	26.4	25.9	30.8	42.0	53.4	64.7	73.0	68.1	61.0	47.7	44.1	34.8	47.7
1848..	29.1	24.7	32.2	45.5	57.8	64.8	70.2	69.6	58.6	49.8	36.2	34.4	47.7
1849..	21.0	18.4	35.8	43.5	52.5	67.7	71.6	69.2	60.0	49.2	45.0	28.9	46.9
1850..	27.2	29.4	32.6	42.4	51.4	67.2	71.6	67.0	61.0	51.4	41.0	25.2	47.3
1851..	25.5	29.9	36.2	44.5	55.5	64.8	71.4	68.0	61.1	52.9	34.8	22.9	47.3
1852..	20.8	27.4	32.9	41.0	56.8	67.4	72.4	66.6	62.1	50.4	38.3	35.0	47.6
1853..	25.8	29.2	35.8	45.1	56.4	66.8	70.6	67.5	61.2	47.8	39.6	26.4	47.7
1854..	23.9	23.5	32.4	42.3	58.7	65.6	74.4	68.4	61.5	52.5	41.2	24.4	47.4
1855..	28.4	20.2	32.3	44.1	53.4	65.5	72.2	67.3	61.4	51.5	40.0	28.6	47.1
1856..	16.8	20.9	27.0	44.0	52.6	68.1	72.7	67.2	63.0	51.1	38.7	24.0	45.5
1857..	15.2	33.6	32.9	41.8	54.7	63.4	71.6	68.2	62.0	51.3	41.3	33.2	47.4
1858..	30.9	22.2	31.6	45.2	52.9	67.8	69.9	66.6	61.8	53.0	35.3	28.0	47.1
1859..	25.4	28.5	38.6	42.9	58.1	64.2	69.7	68.0	58.8	46.5	42.0	24.4	47.3
1860..	27.7	25.8	38.4	44.2	56.1	65.4	68.1	69.5	59.7	50.8	43.4	26.6	48.0
1861..	23.0	32.6	35.0	44.3	54.5	65.9	71.9	67.6	62.0	54.2	38.4	30.6	48.3
1862..	22.9	22.7	32.7	44.0	58.3	63.6	69.3	70.1	60.1	53.0	40.0	27.6	47.0
1863..	28.8	25.1	27.2	44.2	59.1	65.3	73.2	73.2	60.3	51.9	42.3	25.7	48.0
1864..	25.0	27.4	34.4	42.1	56.4	67.8	73.6	73.3	60.1	47.8	39.6	27.4	47.9
1865..	16.8	24.2	37.9	49.6	58.1	73.1	73.4	71.1	66.7	48.2	40.2	29.6	49.1
1866..	22.4	27.9	32.8	47.8	53.4	66.1	74.4	65.5	62.0	49.6	41.6	27.2	47.6
1867..	18.6	32.2	30.8	44.7	53.1	66.9	69.2	70.4	60.0	50.9	38.7	23.1	46.6
1868..	22.0	20.1	32.3	42.1	50.8	64.2	73.6	69.7	59.9	46.4	36.5	25.6	45.3
1869..	27.9	28.9	26.6	43.6	54.0	64.2	70.8	67.6	62.3	48.7	36.4	28.4	46.6
1870..	32.7	24.5	30.0	46.6	57.6	68.5	72.9	71.8	62.7	53.3	41.1	32.6	49.5
M'ns	24.5	25.8	33.2	44.5	55.2	66.1	71.5	68.9	61.3	49.9	39.3	27.7	47.3

These temperature records were made at the Astronomical Observatory of Harvard College, which is located on Concord Avenue and Bond Street, Cambridge, Mass., about three miles from the Weather Bureau station in Boston, Mass.

MISCELLANEOUS DATA FOR 1939.

Barometric Pressure (reduced to sea level).—Mean, 29.98 inches, 1015.2 millibars; highest, 30.64 inches, 1037.6 millibars; February 17; lowest, 29.14 inches, 986.8 millibars, January 22.

Temperature.—Greatest monthly range, 57°, February; least monthly range, 32°, August. Highest mean temperature of three consecutive days, 82°, July 7–9; lowest mean temperature of three consecutive days, 16°, January 25–27.

Precipitation.—Longest period without precipitation, 16 days, May 5–20; longest period with precipitation, 5 days, March 9–13. Greatest amount in 24 consecutive hours, 3.17 inches, October 30–31. Maximum amount in 5 minutes, 0.23 inch, May 28; 10 minutes, 0.40 inch, May 28; 15 minutes, 0.42 inch, May 28; 30 minutes, 0.43 inch, May 28; 1 hour, 0.43 inch, May 28.

Frost.—Last killing frost in spring, April 17. First killing frost in autumn, October 18.

Snow.—Greatest snowfall in 24 hours, 7.6 inches, March 12–13. Greatest depth of snow on ground, 14.2 inches, March 13. Last snow in spring occurred on April 12; first in autumn occurred on November 9.

Thunderstorms.—First thunderstorm occurred on January 22; last thunderstorm occurred on October 1.

Monthly and Annual Mean Temperatures

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	An'l
1871...	26.0	28.6	41.5	47.0	57.9	65.9	70.8	71.7	69.3	54.0	36.6	27.9	48.9
1872...	27.4	28.1	28.0	46.6	59.4	68.9	75.6	73.0	64.5	51.8	40.6	23.2	48.8
1873...	25.1	26.3	33.9	45.0	56.8	67.3	72.9	69.8	62.8	53.5	33.4	32.0	48.2
1874...	30.5	27.0	34.4	38.8	55.4	66.0	72.6	68.0	64.4	53.2	41.6	31.3	48.6
1875...	20.1	22.3	31.4	42.6	57.9	66.7	72.1	71.0	60.6	50.2	35.0	29.6	46.6
1876...	30.7	27.4	33.4	43.9	54.6	68.8	74.0	70.2	59.9	48.2	41.4	22.2	47.9
1877...	24.8	34.2	34.9	44.2	55.0	66.8	71.1	72.2	65.2	52.0	44.2	36.4	50.1
1878...	28.0	30.6	39.6	48.2	56.5	64.6	73.7	69.7	64.2	56.1	40.8	30.3	50.2
1879...	24.2	24.6	33.6	42.4	60.2	64.8	70.3	69.3	62.0	57.6	38.8	32.3	48.4
1880...	34.6	31.8	33.2	46.4	63.7	68.6	71.8	70.8	65.2	52.2	38.2	26.7	50.3
1881...	22.0	27.9	37.2	43.6	56.6	61.7	70.2	71.4	67.6	54.4	43.6	39.0	49.6
1882...	26.0	30.4	36.0	42.8	50.6	66.8	73.2	71.5	64.0	55.4	39.0	30.4	48.8
1883...	24.4	28.8	30.8	45.2	50.5	70.1	71.7	68.2	59.8	47.7	42.8	29.1	47.9
1884...	24.1	31.2	34.2	43.8	54.8	67.2	68.6	69.7	66.9	52.6	41.4	33.8	49.0
1885...	27.4	20.6	27.6	47.2	53.2	66.8	71.8	67.8	60.1	51.6	44.0	32.7	47.6
1886...	25.8	26.6	33.3	48.6	56.8	63.2	71.2	68.2	63.1	52.0	43.2	28.4	48.4
1887...	25.0	28.7	31.5	44.2	59.6	65.2	74.6	67.6	59.8	51.5	42.2	32.4	48.5
1888...	20.1	28.3	32.2	42.6	53.0	66.8	68.8	70.2	59.8	47.8	43.8	34.6	47.3
1889...	35.8	26.0	38.2	47.8	60.3	69.2	69.4	67.4	62.8	48.5	44.6	38.0	50.7
1890...	32.4	33.2	34.9	46.3	57.0	64.2	71.0	68.9	62.9	51.0	41.8	26.0	49.1
1891...	31.1	32.0	33.6	48.0	55.8	65.0	69.0	70.0	66.7	51.6	41.4	40.4	50.4
1892...	25.3	28.4	32.9	48.4	55.9	69.6	73.0	70.2	62.5	52.7	41.2	29.9	49.4
1893...	20.7	26.8	32.8	44.4	56.3	64.8	71.4	69.6	60.0	54.8	42.2	30.4	47.9
1894...	30.1	26.6	42.5	47.0	57.6	68.8	73.7	68.0	64.8	54.0	38.2	32.2	50.3
1895...	28.8	24.6	34.6	46.0	60.2	66.8	69.3	71.0	65.7	49.6	45.4	35.6	49.8
1896...	24.9	28.7	32.0	47.2	60.3	66.1	71.8	70.7	62.2	50.2	46.5	30.4	49.2
1897...	28.4	30.9	36.9	49.0	57.6	62.3	71.6	69.6	63.1	54.4	41.4	34.0	49.9
1898...	28.7	32.8	42.8	43.8	55.8	65.8	71.8	73.1	66.2	54.2	42.0	32.0	50.8
1899...	29.0	26.8	34.0	48.1	57.8	70.0	72.6	68.8	62.0	54.5	42.1	36.2	50.2
1900...	30.0	29.3	34.0	48.6	55.2	63.6	73.8	71.1	65.0	56.6	44.6	34.4	50.8
1901...	27.6	24.2	30.2	43.5	54.3	68.2	73.4	70.7	65.4	54.4	37.2	29.9	49.0
1902...	26.6	28.8	43.4	48.4	57.6	64.3	67.8	67.6	62.6	53.6	46.2	28.5	49.6
1903...	26.8	31.4	44.4	47.8	58.5	59.8	71.4	65.0	64.4	53.9	40.0	29.0	49.4
1904...	21.6	22.6	34.6	44.6	60.8	64.0	71.4	68.7	62.5	50.6	38.2	25.8	47.1
1905...	25.1	23.4	37.2	46.8	57.6	65.2	73.2	68.6	62.0	53.6	41.6	35.1	49.1
1906...	35.7	29.7	32.4	47.2	58.0	66.4	70.1	72.0	65.0	52.5	41.7	29.1	50.0
1907...	27.0	21.6	37.9	43.4	52.4	65.1	72.4	69.6	64.4	49.8	43.2	37.2	48.7
1908...	31.0	26.8	38.6	46.8	59.0	69.8	74.1	69.4	65.8	55.4	43.6	33.3	51.2
1909...	30.3	32.6	36.8	47.8	55.8	69.4	71.5	69.4	62.6	52.8	46.4	30.8	50.5
1910...	32.0	29.5	42.0	51.6	57.6	65.2	74.9	68.8	62.8	56.0	41.2	27.5	30.8
1911...	31.8	27.0	35.4	46.1	62.4	65.6	77.1	69.0	62.6	52.6	41.8	39.4	50.9
1912...	21.4	27.7	36.0	47.4	58.6	68.0	73.2	69.0	63.7	57.4	45.6	38.5	50.5
1913...	39.2	27.7	42.4	48.0	55.2	67.5	73.8	70.8	62.0	56.4	46.5	37.8	52.3
1914...	28.7	24.3	36.7	45.3	60.4	67.3	68.6	70.4	64.6	57.0	42.7	30.4	49.7
1915...	33.0	33.2	35.8	50.8	56.6	63.9	70.1	69.1	66.8	55.7	45.4	34.2	51.2
1916...	33.0	25.5	30.6	45.6	58.6	62.6	72.6	71.8	65.0	55.5	42.6	32.6	49.7
1917...	30.2	25.8	37.2	44.0	50.7	65.8	73.3	72.8	60.2	51.9	39.4	23.7	47.9
1918...	21.0	26.9	36.7	47.8	63.3	63.9	71.0	70.4	61.2	56.2	45.0	34.7	49.8
1919...	33.2	32.6	40.8	46.9	59.1	67.2	74.0	68.8	63.9	55.1	42.8	28.7	51.1
1920...	21.0	27.6	39.2	45.0	54.6	65.8	72.4	72.0	65.2	59.8	47.7	35.6	50.0
1921...	32.1	32.6	46.2	51.8	58.0	68.2	73.2	69.8	68.5	55.2	41.6	31.4	52.4
1922...	27.2	32.0	39.8	48.7	61.4	68.6	72.0	70.4	65.2	55.1	43.8	30.9	51.3
1923...	27.0	23.4	33.9	48.2	57.6	69.3	70.0	69.4	64.2	55.5	44.6	40.4	50.3
1924...	31.9	26.6	37.4	47.2	56.2	66.6	73.8	71.8	62.2	54.6	44.6	31.1	50.3
1925...	27.2	33.0	43.0	49.8	57.4	70.9	72.4	71.2	64.0	49.3	43.6	33.6	51.7
1926...	31.0	27.8	34.2	44.8	56.0	64.3	70.5	70.4	62.4	53.4	44.2	28.6	49.0
1927...	30.6	32.6	41.6	48.3	55.2	65.0	72.2	67.4	65.0	57.9	49.6	36.0	51.8
1928...	33.0	29.6	37.0	46.8	55.4	65.0	73.2	73.6	62.4	56.6	44.8	38.5	51.3
1929...	29.0	31.7	41.4	47.1	61.0	68.4	72.6	69.3	65.2	53.2	44.7	32.6	51.4
1930...	31.8	34.1	38.3	47.6	59.4	72.4	72.6	70.5	69.4	53.0	45.0	33.2	52.3
1931...	30.6	30.6	39.3	50.2	60.3	67.2	74.0	72.2	66.9	58.5	49.4	36.6	53.0
1932...	38.8	30.6	35.6	47.4	60.2	66.4	72.8	74.0	65.2	57.1	42.8	38.1	52.4
1933...	37.8	33.7	35.7	46.5	61.6	69.6	70.8	71.8	65.8	52.7	38.3	26.8	50.9
1934...	29.6	17.5	35.1	48.0	60.6	66.9	73.2	67.3	64.6	49.6	45.6	28.4	48.9
1935...	23.2	27.8	38.4	45.2	55.5	65.5	72.6	70.7	61.4	53.8	45.4	27.1	48.9
1936...	28.2	28.2	41.8	45.2	60.6	66.2	71.1	69.7	62.6	54.4	39.5	35.0	49.7
1937...	37.4	33.2	34.1	45.2	59.1	66.4	73.2	74.6	63.0	52.6	44.0	31.2	51.2
1938...	28.0	30.6	39.1	48.7	55.8	67.2	71.8	73.6	62.2	56.0	46.4	34.0	51.1
1939...	27.8	32.2	33.2	43.6	56.4	65.6	72.3	73.8	64.5	54.2	40.8	33.4	49.8
M'ns	28.6	28.5	36.4	46.4	57.5	66.6	72.1	70.2	63.6	53.6	42.5	32.2	49.8

NOTE.—Bold-face figures indicate highest and lowest monthly means.

BOSTON, MASS.
 MAXIMUM TEMPERATURE FOR EACH DAY OF YEAR
 RECORD EXTENDS FROM MARCH 1, 1872 TO DECEMBER 31, 1939

Date	January		February		March		April		May		June		July		August		September		October		November		December		Date
	Max.	Year	Max.	Year	Max.	Year	Max.	Year	Max.	Year	Max.	Year	Max.	Year	Max.	Year	Max.	Year	Max.	Year	Max.	Year	Max.	Year	
1..	70	1876	57	1916	62	1902	76	1918	89	1899	96	1879	98	1872	98	1917	96	1881	90	1881	74	1927	67	1908	...1
2..	66	1890	55	1933	59	1874	75	1918	91	1930	96	1895	96	1911	98	1917	94	1929	85	1922	77	1929	65	1932	...2
3..	66	1913	53	1877	60	1874	77	1892	85	1878	98	1919	102	1911	98	1930	97	1929	85	1922	77	1929	65	1932	...3
4..	60	1932	56	1914	62	1880	72	1923	88	1880	96	1925	104	1911	96	1928	93	1884	87	1898	74	1903	62	1873	...4
5..	60	1909	64	1890	72	1880	84	1928	86	1919	96	1919	101	1919	95	1928	93	1880	87	1922	72	1938	59	1916	...5
6..	62	1913	57	1909	70	1894	82	1928	90	1930	100	1925	101	1911	97	1931	92	1880	85	1910	73	1938	69	1912	...6
7..	63	1930	56	1925	68	1876	84	1929	95	1930	92	1925	96	1883	98	1924	102	1881	86	1912	77	1938	66	1932	...7
8..	64	1930	66	1933	63	1878	84	1929	87	1895	93	1933	99	1937	95	1916	95	1872	88	1879	74	1938	65	1927	...8
9..	64	1937	59	1925	68	1921	77	1921	90	1889	92	1922	99	1912	95	1872	90	1897	81	1916	71	1881	64	1924	...9
10..	53	1929	59	1898	71	1878	85	1922	94	1896	*90	1933	101	1880	95	1896	95	1931	80	1919	78	1931	64	1907	...10
11..	61	1924	58	1925	65	1927	75	1887	90	1895	93	1894	100	1911	95	1900	95	1931	81	1914	*66	1935	68	1911	...11
12..	61	1913	55	1925	69	1902	68	1915	84	1908	95	1933	97	1908	94	1907	89	1900	88	1928	76	1909	68	1911	...12
13..	63	1932	60	1900	68	1927	84	1896	85	1930	94	1892	97	1894	93	1881	88	1877	87	1930	69	1885	62	1923	...13
14..	69	1932	59	1884	69	1927	79	1938	88	1908	96	1892	95	1873	96	1918	92	1915	81	1923	68	1902	66	1881	...14
15..	65	1932	61	1939	66	1913	82	1896	93	1900	95	1891	96	1873	94	1938	94	1915	86	1897	70	1902	63	1911	...15
16..	57	1890	60	1910	71	1935	79	1896	93	1932	96	1891	95	1900	95	1928	96	1939	88	1897	76	1927	56	1928	...16
17..	59	1913	60	1883	66	1935	73	1918	84	1903	95	1894	95	1900	96	1913	91	1915	80	1908	76	1928	60	1928	...17
18..	60	1915	63	1880	68	1934	83	1896	91	1936	94	1929	97	1900	94	1884	90	1906	80	1908	69	1927	61	1928	...18
19..	61	1915	58	1930	72	1903	87	1914	88	1903	96	1923	96	1873	92	1906	88	1882	79	1910	72	1921	64	1899	...19
20..	58	1907	68	1930	77	1921	89	1927	90	1933	97	1931	95	1894	98	1937	87	1882	78	1929	71	1913	61	1895	...20
21..	68	1906	63	1906	83	1921	87	1923	93	1921	95	1923	98	1926	95	1937	94	1895	82	1920	74	1931	60	1923	...21
22..	68	1916	57	1912	69	1929	78	1926	92	1921	93	1921	103	1926	91	1880	94	1895	78	1920	74	1931	58	1902	...22
23..	66	1906	63	1930	78	1938	85	1908	88	1902	96	1888	98	1918	96	1880	96	1895	80	1900	77	1931	64	1891	...23
24..	60	1906	67	1930	72	1920	82	1885	91	1936	*94	1882	98	1933	94	1898	87	1914	75	1899	72	1931	59	1900	...24
25..	59	1916	65	1930	78	1910	81	1897	91	1932	*94	1923	96	1882	93	1909	89	1926	80	1900	68	1931	65	1889	...25
26..	66	1916	56	1911	79	1922	85	1872	97	1880	92	1923	96	1882	97	1900	95	1881	74	1899	67	1895	60	1915	...26
27..	62	1916	61	1880	74	1914	84	1935	96	1880	94	1900	98	1882	91	1881	86	1916	76	1920	72	1896	60	1895	...27
28..	63	1916	62	1903	73	1921	89	1938	92	1931	97	1901	97	1931	92	1877	90	1881	81	1927	68	1896	60	1907	...28
29..	56	1887	64	1880	76	1910	83	1903	*94	1929	99	1933	97	1931	92	1880	83	1884	79	1918	64	1916	60	1901	...29
30..	63	1914	.....	.....	71	1907	83	1903	96	1929	94	1872	98	1933	93	1881	83	1927	78	1918	68	1881	62	1884	...30
31..	62	1913	.....	.....	70	1936	.....	.....	93	1879	.....	.....	98	1917	97	1881	.....	.....	76	1896	.....	.....	65	1932	...31

* Has occurred on previous dates also.

BOSTON, MASS.
MINIMUM TEMPERATURE FOR EACH DAY OF YEAR
RECORD EXTENDS FROM MARCH 1, 1872 TO DECEMBER 31, 1899

Date	January		February		March		April		May		June		July		August		September		October		November		December		Date
	Min.	Year	Min.	Year	Min.	Year	Min.	Year	Min.	Year	Min.	Year	Min.	Year	Min.	Year	Min.	Year	Min.	Year	Min.	Year	Min.	Year	
1..	-3	1918	-7	1920	-1	1886	13	1923	33	1890	44	1876	51	1885	54	1891	50	1887	38	1888	26	1885	0	1875	..1
2..	-3	1899	-5	1881	9	1886	19	1919	33	1874	42	1884	51	1883	56	1929	49	1896	34	1899	27	1879	4	1876	..2
3..	-1	1904	-5	1881	9	1938	23	1894	33	1882	44	1915	51	1914	55	1927	47	1893	35	1899	26	1875	0	1890	..3
4..	-3	1910	-2	1886	* 8	1938	19	1879	33	1911	44	1881	53	1914	52	1900	43	1872	34	1888	21	1879	4	1906	..4
5..	-3	1910	-10	1918	-4	1872	11	1874	35	1907	45	1891	52	1883	56	1907	48	1896	23	1881	17	1879	4	1926	..5
6..	-10	1896	-6	1895	-8	1872	20	1881	33	1891	46	1895	50	1879	52	1881	43	1888	31	1883	17	1879	9	1901	..6
7..	-2	1896	-5	1875	2	1872	22	1881	38	1900	* 45	1932	52	1902	55	1885	43	1888	30	1883	25	1884	4	1906	..7
8..	-6	1878	-12	1934	8	1883	3	1888	38	1882	42	1932	55	1909	52	1903	48	1903	36	1883	25	1921	-4	1902	..8
9..	-3	1887	-18	1934	9	1885	24	1876	39	1917	47	1923	53	1909	53	1899	47	1883	32	1873	26	1887	-8	1902	..9
10..	-1	1875	-5	1875	9	1929	26	1917	34	1902	45	1881	53	1890	55	1910	41	1883	33	1925	* 27	1933	-1	1902	..10
11..	-4	1893	-4	1899	9	1939	25	1909	33	1900	46	1881	54	1890	54	1879	40	1917	32	1881	24	1901	-2	1876	..11
12..	-10	1886	-11	1911	7	1900	20	1874	33	1907	46	1906	54	1886	56	1913	43	1875	31	1876	25	1926	7	1934	..12
13..	-9	1914	3	1914	3	1885	20	1874	38	1882	46	1881	56	1888	53	1902	45	1911	30	1875	14	1883	4	1898	..13
14..	-8	1914	-3	1934	12	1896	27	1923	37	1895	46	1875	55	1937	52	1882	40	1884	31	1875	16	1905	0	1898	..14
15..	3	1920	-4	1888	* 12	1932	30	1923	38	1882	48	1903	54	1929	54	1905	41	1913	31	1876	17	1933	-2	1874	..15
16..	-5	1920	-2	1875	10	1872	28	1928	34	1936	48	1903	54	1884	47	1880	45	1899	30	1883	12	1933	1	1883	..16
17..	-4	1907	-11	1896	10	1916	26	1908	39	1882	48	1925	54	1892	52	1880	45	1887	27	1886	14	1924	-4	1919	..17
18..	-1	1904	0	1895	5	1885	26	1887	38	1882	47	1920	54	1881	53	1918	43	1875	* 31	1939	14	1936	-6	1919	..18
19..	-6	1904	* 4	1936	5	1876	22	1875	38	1882	47	1920	54	1881	51	1882	42	1929	28	1922	14	1936	-10	1875	..19
20..	-3	1901	6	1916	10	1885	21	1897	40	1892	47	1918	54	1890	52	1905	* 42	1929	32	1900	15	1894	-11	1875	..20
21..	0	1888	0	1916	7	1885	21	1875	41	1907	49	1918	52	1890	52	1882	40	1929	32	1922	10	1879	-1	1924	..21
22..	-3	1888	2	1918	8	1885	26	1875	39	1894	48	1881	55	1890	47	1894	95	1904	32	1883	9	1879	1	1883	..22
23..	-6	1882	-3	1876	6	1934	30	1872	40	1882	* 47	1932	* 57	1934	49	1886	35	1904	29	1883	11	1880	-12	1883	..23
24..	-13	1882	-7	1894	6	1874	28	1882	36	1882	* 46	1932	54	1893	50	1873	39	1885	* 31	1939	11	1880	0	1892	..24
25..	-5	1935	-6	1894	10	1878	27	1892	42	1925	48	1903	53	1901	50	1890	39	1890	26	1879	13	1938	-8	1872	..25
26..	0	1927	-1	1928	18	1880	28	1919	39	1882	52	1903	56	1920	50	1885	34	1879	25	1879	* 12	1938	-2	1914	..26
27..	-6	1924	-4	1900	16	1873	33	1909	39	1915	52	1897	52	1876	47	1880	40	1887	25	1936	8	1932	0	1914	..27
28..	-5	1935	2	1907	11	1923	32	1882	43	1917	52	1918	54	1884	47	1885	39	1914	28	1936	11	1873	-3	1872	..28
29..	-6	1888	3	1884	4	1923	31	1909	39	1902	49	1919	55	1880	47	1908	34	1914	26	1876	8	1875	-17	1873	..29
30..	-5	1873	.....	.....	10	1884	31	1874	35	1884	52	1919	52	1880	49	1912	36	1888	28	1928	-2	1875	-15	1933	..30
31..	-8	1920	.....	.....	15	1923	.....	.....	39	1884	.....	.....	54	1895	49	1912	....	.....	27	1904	.....	.....	-8	1917	..31

* Has occurred on previous dates also.

Maximum Amounts of Precipitation

Month	5 min's		10 min's		15 min's		30 min's		1 hour		2 hours		24 hours**	
	Am't	Yr.	Am't	Yr.	Am't	Yr.	Am't	Yr.	Am't	Yr.	Am't	Yr.	Am't	Yr.
Jan.	.15	1936	.25	1936	.29	1936	.40	1936	.57	1919	.81	1919	3.25	1881
Febr.	.10	*1926	.14	*1918	.20	1920	.33	1920	.49	1920	.71	1920	4.45	1886
Mar.	.15	1913	.23	1913	.26	1913	.39	1913	.54	*1932	1.03	1932	3.04	1877
April	.13	1936	.19	1921	.24	1920	.31	1920	.50	1931	.78	*1931	3.19	1921
May	.55	1932	.62	1932	.63	1932	.65	1932	.69	1926	.94	1926	3.31	1920
June	.42	1925	.72	1905	.75	1905	.90	1925	1.07	1922	1.28	1922	5.35	1875
July	.50	1927	.67	1916	.85	1916	1.33	1916	1.62	1921	2.45	1915	6.04	1921
Aug.	.55	1908	.91	1908	1.12	1908	1.45	1908	1.80	1901	2.27	1917	4.99	1879
Sept.	.25	1902	.43	1927	.62	*1927	1.01	1911	1.10	1904	1.74	1904	5.63	1933
Oct.	.34	1928	.54	1928	.67	1928	.86	1906	1.58	1906	1.74	1906	4.92	1895
Nov.	.21	1925	*.31	1932	.39	1927	*.62	1932	.83	1932	.94	1927	5.43	1876
Dec.	.15	1937	.21	1937	.26	1937	.45	1937	.81	1937	1.47	1937	3.36	1937
High- est	.55	1908	.91	1908	1.12	1908	1.45	1908	1.80	1901	2.45	1915	6.04	1921

** 1871 to 1937, other data 1901 to 1937.

* Several occurrences.

MONTHLY AND ANNUAL PRECIPITATION.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	An'l.
1818..	2.64	3.49	4.05	6.15	5.96	3.47	4.03	0.46	7.81	2.11	1.91	0.86	42.99
1819..	0.70	2.27	6.21	3.74	3.66	3.56	2.02	4.38	5.29	1.40	1.22	1.63	35.48
1820..	3.12	4.25	4.90	0.45	5.08	3.42	4.19	5.15	2.43	5.39	3.00	2.80	44.18
1821..	1.41	4.42	2.53	4.90	4.84	2.79	2.35	1.58	4.73	2.29	3.12	1.93	36.89
1822..	1.29	2.34	2.02	2.99	0.78	3.54	4.32	1.20	2.15	2.53	2.58	1.46	27.29
1823..	3.00	4.57	7.72	2.21	6.40	0.93	5.74	1.98	1.95	3.95	1.92	6.93	47.30
1824..	3.95	5.99	1.81	4.72	1.43	1.60	0.88	3.63	6.43	1.01	1.72	2.80	36.02
1825..	2.79	3.43	4.70	0.37	1.36	4.77	1.24	5.62	2.66	3.21	0.81	4.38	35.34
1826..	2.55	1.48	3.81	1.50	0.25	3.35	2.90	12.10	3.03	3.80	2.31	3.56	41.14
1827..	3.92	2.97	2.51	4.75	5.34	2.56	2.59	4.88	4.81	5.28	5.71	3.59	48.91
1828..	2.15	2.79	1.84	2.00	4.67	1.59	4.58	0.37	3.82	2.79	5.55	0.25	32.41
1829..	4.93	5.62	4.30	3.45	2.71	1.64	6.98	4.95	2.62	1.65	5.74	2.26	46.85
1830..	2.36	1.63	3.51	1.21	3.93	3.46	4.90	2.64	5.65	2.38	5.32	5.96	42.95
1831..	4.44	3.68	3.07	6.97	3.65	4.32	5.53	5.57	3.83	4.42	3.20	2.93	51.61
1832..	4.47	3.74	2.65	5.56	7.27	0.50	3.41	6.14	2.07	2.46	3.57	4.65	46.69
1833..	2.96	2.53	2.71	2.30	1.93	3.23	2.01	0.82	2.88	6.00	5.53	5.86	37.86
1834..	1.39	1.13	0.96	2.93	6.33	3.09	7.71	2.47	3.71	4.62	2.90	2.36	39.60
1835..	3.25	1.37	4.27	4.54	2.07	2.74	9.07	2.59	1.31	1.87	2.08	2.40	37.86
1836..	8.82	3.57	2.90	1.58	1.85	4.33	2.12	1.53	0.54	4.04	5.43	4.13	40.56
1837..	4.10	4.14	3.02	3.07	5.79	2.98	1.80	1.67	0.56	1.58	2.35	2.46	33.52
1838..	3.07	2.77	3.09	2.62	3.32	2.55	1.20	4.26	9.87	5.02	3.95	0.80	42.52
1839..	0.98	3.11	1.18	7.73	4.27	2.25	3.32	5.70	2.00	2.50	1.71	6.35	41.10
1840..	3.12	2.57	4.55	4.60	2.23	2.78	2.93	4.00	2.12	4.48	11.63	4.15	49.16
1841..	6.00	1.60	3.50	8.82	1.90	1.95	2.10	4.20	2.56	3.80	4.55	5.77	47.05
1842..	0.80	3.20	3.35	3.50	2.90	5.30	1.82	4.44	3.25	0.80	4.45	5.30	39.11
1843..	2.20	6.08	6.17	3.88	1.60	4.61	2.15	6.83	0.98	4.82	3.40	3.92	46.69
1844..	3.68	2.42	6.00	0.20	2.72	1.40	2.17	2.62	3.53	5.80	3.15	3.85	37.54
1845..	4.58	4.25	3.83	1.23	2.82	2.05	3.23	1.32	2.23	4.00	10.25	5.98	46.32
1846..	3.12	2.95	2.73	1.23	2.02	2.25	2.51	1.80	1.30	1.35	4.17	4.52	29.95
1847..	3.28	4.70	4.77	2.20	2.03	4.09	2.65	6.45	6.64	1.05	5.12	3.95	46.93
1848..	2.30	3.90	4.05	1.40	6.30	1.73	1.35	3.10	3.55	5.10	2.25	5.95	40.98
1849..	0.35	1.15	7.35	0.90	3.10	1.45	0.85	6.25	1.25	8.10	5.50	4.05	40.30
1850..	4.59	2.52	5.32	4.82	6.63	2.77	2.70	5.30	7.15	2.10	3.32	6.76	53.98
1851..	1.30	4.20	3.88	9.37	3.31	1.80	3.09	1.27	3.50	4.43	5.51	2.65	44.31
1852..	4.85	2.85	4.45	10.18	1.95	2.35	3.28	7.63	1.65	2.19	3.47	3.09	47.94
1853..	2.44	5.30	2.27	3.78	5.63	0.30	3.64	9.40	3.80	3.92	4.43	3.95	48.86
1854..	2.91	4.87	2.84	6.63	4.33	2.47	3.70	0.53	3.86	2.68	6.80	4.64	45.71
1855..	7.22	4.67	1.18	4.28	1.20	3.09	4.15	1.46	1.13	4.61	5.27	5.93	44.19
1856..	5.32	0.80	1.33	4.37	7.10	2.90	4.02	11.11	4.90	2.70	3.33	4.28	52.16
1857..	5.36	2.45	3.09	10.83	5.57	2.02	5.53	7.18	2.56	4.50	2.52	5.26	56.87
1858..	3.28	2.30	2.18	5.18	3.89	8.09	4.56	7.03	5.02	3.03	3.38	4.73	52.67
1859..	5.93	4.05	7.64	3.36	3.63	7.89	1.58	4.72	4.40	3.23	3.75	6.47	56.70
1860..	1.89	3.85	2.19	1.73	2.35	8.01	5.90	4.30	7.35	2.66	5.37	5.86	51.47
1861..	6.04	3.57	7.48	5.89	2.97	3.64	2.76	6.04	1.77	2.66	4.90	2.35	50.06
1862..	8.30	3.29	4.70	1.97	2.70	6.78	7.33	4.20	5.61	4.85	8.32	3.01	61.06
1863..	4.51	4.54	6.42	9.08	2.82	2.56	12.38	5.64	3.12	3.83	6.48	6.34	67.72
1864..	3.87	1.43	11.75	4.72	3.31	1.47	1.90	4.17	2.60	4.80	4.00	5.28	49.30
1865..	4.47	5.08	4.83	2.57	6.90	2.83	4.26	1.42	0.62	6.21	4.46	4.18	47.83
1866..	3.73	5.28	4.70	2.03	5.04	3.41	5.42	3.87	5.90	2.72	3.74	4.86	50.70
1867..	6.06	6.55	6.12	2.52	4.11	2.74	4.76	10.78	0.44	6.76	2.32	2.48	55.64

MONTHLY AND ANNUAL PRECIPITATION—Continued.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Anl.
1868..	6.09	1.88	5.04	6.94	10.33	3.79	1.10	7.53	11.95	1.78	5.31	2.32	64.11
1869..	4.03	9.98	6.74	2.05	6.88	4.44	3.30	2.19	5.18	6.71	3.74	9.04	66.28
1870..	8.16	7.03	4.88	8.42	2.58	7.59	4.01	1.57	0.67	6.80	4.40	3.62	59.73
1871..	0.92	2.03	4.55	3.79	4.34	5.55	3.22	3.08	1.30	5.88	6.42	3.38	45.06
1872..	2.11	2.31	4.05	1.31	3.29	4.84	4.00	10.63	6.04	4.85	3.66	3.09	50.23
1873..	5.76	3.21	3.76	3.83	5.16	0.54	3.84	6.21	2.91	5.33	6.34	5.64	54.53
1874..	4.32	3.41	1.60	7.97	3.71	3.94	3.47	6.67	2.05	1.39	2.85	2.14	43.52
1875..	3.08	3.74	5.04	4.92	3.76	7.25	3.93	3.50	3.12	4.99	5.47	0.75	50.15
1876..	1.87	4.54	7.19	3.61	2.70	1.72	5.80	1.23	3.84	1.66	11.03	3.71	48.96
1877..	3.33	0.45	9.79	4.19	3.38	3.21	2.27	4.49	0.60	8.84	9.62	1.32	51.49
1878..	7.06	4.40	5.91	6.14	1.03	2.28	4.58	7.66	3.47	6.76	8.94	6.76	65.53
1879..	2.79	4.35	3.90	6.58	0.97	6.24	3.09	6.71	1.84	0.91	2.97	4.22	44.57
1880..	3.72	4.11	5.25	2.85	1.63	0.75	6.86	2.90	2.36	3.15	2.30	3.42	37.30
1881..	7.21	4.89	9.86	1.66	4.16	7.79	2.96	1.23	2.50	2.84	3.73	3.80	52.63
1882..	3.60	4.77	3.35	2.50	6.05	1.03	3.91	1.46	10.93	2.29	1.20	2.65	43.82
1883..	3.59	2.74	2.33	2.83	5.11	2.07	2.73	3.09	1.50	6.40	2.08	3.71	35.48
1884..	6.27	5.74	4.80	4.76	3.31	4.01	4.25	5.01	0.31	3.17	3.03	4.46	49.18
1885..	5.33	3.00	1.15	3.30	4.26	3.70	1.44	7.64	1.70	5.71	5.78	2.09	45.10
1886..	7.08	7.94	3.20	1.70	3.08	1.34	1.81	3.64	2.73	3.27	3.59	3.66	42.14
1887..	4.86	3.69	3.86	2.62	1.67	1.98	3.59	3.05	0.97	2.53	2.22	2.71	33.75
1888..	2.26	2.36	3.32	2.04	5.20	2.69	1.79	6.53	6.77	3.88	4.97	4.38	45.89
1889..	4.11	1.54	1.19	3.07	4.15	2.77	5.80	3.95	3.19	3.31	4.91	1.83	39.82
1890..	2.00	2.29	5.88	2.29	4.48	2.21	1.93	2.70	5.04	5.63	0.97	3.72	39.14
1891..	4.39	3.66	3.94	1.71	1.56	3.66	3.73	3.87	2.29	5.56	2.35	3.58	39.70
1892..	4.62	2.15	3.91	0.93	5.15	3.08	2.56	4.87	1.90	2.31	4.45	1.12	37.02
1893..	2.56	6.22	2.80	3.13	5.25	2.20	1.72	6.46	1.59	2.94	1.83	5.16	41.84
1894..	3.01	3.15	1.01	3.78	4.12	0.80	3.09	3.03	2.14	5.11	3.10	4.28	36.62
1895..	3.79	1.11	2.72	3.65	2.71	1.73	2.98	3.24	1.53	6.19	8.07	2.45	40.17
1896..	2.25	3.94	5.41	1.56	1.68	2.71	2.90	2.15	6.40	3.15	3.70	1.70	37.55
1897..	3.16	2.12	2.79	3.17	4.00	4.46	4.22	3.95	2.38	0.41	6.19	3.92	40.77
1898..	3.50	4.81	1.82	6.39	4.33	1.60	4.42	6.38	1.93	7.17	5.32	2.19	49.86
1899..	4.19	3.03	5.95	1.29	0.81	2.86	2.52	2.52	5.09	2.40	2.51	1.52	34.69
1900..	4.20	6.83	4.60	1.90	5.07	1.85	2.69	2.46	4.62	3.41	4.17	2.25	44.05
1901..	1.56	0.66	6.58	7.43	6.31	1.31	5.20	3.25	2.50	3.02	2.41	8.49	48.72
1902..	1.65	4.19	5.29	2.87	1.07	1.77	2.88	2.20	2.68	4.36	1.09	4.48	33.93
1903..	3.43	3.90	5.95	4.43	0.32	7.19	2.99	3.33	2.43	3.95	1.48	2.57	41.97
1904..	4.80	2.49	2.43	9.14	3.38	2.06	1.23	2.19	5.57	2.13	1.70	2.52	39.64
1905..	4.09	1.59	2.25	2.14	1.47	5.23	1.00	3.39	5.10	0.82	1.77	3.23	32.08
1906..	2.96	2.66	5.45	2.15	4.91	2.57	5.38	1.58	2.61	3.88	2.55	3.96	40.69
1907..	2.54	1.88	1.66	3.31	3.12	2.56	1.09	1.10	7.43	2.54	6.02	4.31	37.56
1908..	2.47	2.96	2.97	1.70	3.78	1.08	3.17	4.35	0.68	3.70	0.74	2.47	30.07
1909..	3.94	4.71	3.28	3.92	2.33	4.45	0.97	3.55	5.15	1.07	4.11	3.19	40.67
1910..	4.25	3.44	1.25	2.22	1.02	4.89	1.15	0.98	2.14	1.14	3.75	2.10	28.33
1911..	2.28	2.85	2.95	2.28	0.35	3.67	4.65	4.17	2.95	2.27	4.29	3.07	35.78
1912..	2.87	2.38	4.18	3.07	4.04	0.27	5.16	1.94	1.67	1.00	2.61	5.36	34.55
1913..	2.38	2.99	4.31	4.77	3.22	0.64	2.69	2.86	2.51	6.04	2.15	3.05	38.11
1914..	3.26	3.07	4.16	5.87	2.78	1.40	2.64	3.20	0.21	1.84	2.72	3.46	34.31
1915..	6.33	3.47	1.	1.86	1.64	1.39	5.85	5.63	0.69	2.82	2.14	3.94	38.76
1916..	1.23	5.18	3.20	4.51	2.83	5.04	5.67	2.19	1.90	0.94	1.67	3.00	37.36
1917..	2.82	2.67	3.73	2.72	4.45	4.05	1.10	7.66	1.91	5.33	0.59	2.56	38.99
1918..	3.11	2.30	3.19	3.08	1.99	1.94	2.64	1.56	9.19	0.99	1.20	3.21	34.40
1919..	3.62	2.66	4.11	2.33	4.25	1.08	4.63	5.07	5.83	2.13	5.36	1.63	42.70
1920..	2.72	5.88	3.72	5.68	5.26	5.78	1.56	2.32	1.90	1.64	5.46	3.89	45.81
1921..	2.24	2.64	1.92	4.62	3.64	3.58	11.69	1.63	1.22	1.24	6.19	2.35	42.96
1922..	1.41	2.64	4.35	2.48	5.34	8.05	2.63	4.75	3.66	1.97	0.84	3.01	41.13
1923..	6.07	1.48	2.49	5.26	0.83	2.03	3.36	1.86	0.38	3.37	2.78	4.98	34.89
1924..	3.27	2.61	2.04	3.79	2.81	1.07	2.04	6.86	6.96	0.66	1.93	1.48	34.92
1925..	3.97	1.55	5.21	2.48	2.07	4.59	3.54	1.40	3.45	4.03	3.66	5.20	41.15
1926..	2.53	5.56	2.91	1.73	3.31	1.33	6.06	3.91	1.08	3.58	4.07	3.96	40.03
1927..	2.67	3.28	1.19	1.36	2.50	2.43	4.77	6.73	2.43	3.77	4.71	5.23	41.07
1928..	1.66	2.66	1.56	4.68	3.08	5.56	4.14	2.45	4.47	2.88	1.85	2.61	37.60
1929..	3.82	3.78	2.80	7.52	2.82	2.30	1.35	2.22	0.76	2.38	3.01	4.43	37.19
1930..	2.77	2.23	3.02	2.08	3.39	2.24	3.36	3.03	0.26	5.83	4.09	2.99	35.29
1931..	4.09	4.21	4.66	3.12	4.51	9.13	2.43	4.45	1.67	2.18	0.82	2.90	44.17
1932..	4.24	1.74	5.28	1.67	1.63	2.05	2.10	4.24	4.50	7.18	5.24	1.78	41.65
1933..	2.04	3.77	6.80	7.37	2.74	1.22	2.63	3.41	10.94	3.11	0.65	2.93	47.61
1934..	2.67	4.45	4.04	3.21	1.56	3.11	1.25	1.83	5.67	2.94	1.78	1.64	34.15
1935..	6.13	3.26	1.52	4.77	1.35	5.07	1.10	2.14	2.69	0.34	3.91	0.66	32.94
1936..	6.46	3.66	6.40	3.54	1.70	2.37	1.04	5.15	3.79	2.67	1.33	8.19	46.30
1937..	3.93	1.31	3.57	5.34	2.52	3.47	1.17	4.97	3.09	3.95	4.66	5.09	43.67
1938..	4.91	2.38	2.42	3.22	4.42	6.30	0.46	3.31	6.00	2.43	2.89	2.80	50.54
1939..	2.18	3.79	5.23	4.54	1.29	2.70	0.75	2.14	1.01	4.77	1.14	2.91	32.45
M'ns	*3.59	3.29	3.79	3.59	3.13	3.15	3.36	3.71	3.22	3.35	3.55	3.35	41.08
M'ns	†3.65	3.42	3.96	3.79	3.43	3.19	3.49	3.98	3.39	3.47	3.82	3.66	43.25

NOTE.—Bold-faced figures indicate greatest and least monthly and annual amounts. * Computed from the Weather Bureau records of 65 yrs. † Averages 122 yrs.

From 1818 to 1822, Dr. Enoch Hale; from 1823 to 1865, Jonathan P. Hall; from 1866 to 1870, Superintendent of Sewers.

KILLING FROSTS

Year	Latest date in spring	Earliest date in autumn	Year	Latest date in spring	Earliest date in autumn
1872.....	April 23	Nov. 5	1906.....	April 3	Oct. 12
1873.....	Mar. 30	Oct. 9	1907.....	April 21	Oct. 22
1874.....	May 3	Nov. 12	1908.....	April 21	Nov. 2
1875.....	April 22	Oct. 13	1909.....	April 29	Oct. 20
1876.....	April 10	Oct. 12	1910.....	Mar. 19	Oct. 31
1877.....	April 19	Oct. 28	1911.....	April 18	Oct. 8
1878.....	Mar. 26	Nov. 3	1912.....	April 9	Oct. 16
1879.....	April 20	Sept. 26	1913.....	April 10	Nov. 1
1880.....	April 13	Oct. 25	1914.....	April 14	Oct. 28
1881.....	April 15	Oct. 5	1915.....	April 4	Nov. 18
1882.....	May 16	Nov. 3	1916.....	April 9	Nov. 6
1883.....	April 26	Oct. 6	1917.....	April 11	Nov. 5
1884.....	April 22	Oct. 19	1918.....	April 12	Nov. 12
1885.....	April 15	Nov. 1	1919.....	April 26	Oct. 30
1886.....	April 9	Oct. 17	1920.....	April 11	Nov. 11
1887.....	April 19	Oct. 26	1921.....	April 18	Oct. 26
1888.....	April 25	Sept. 30	1922.....	April 21	Oct. 19
1889.....	April 8	Oct. 17	1923.....	April 19	Nov. 1
1890.....	April 19	Oct. 22	1924.....	April 3	Oct. 23
1891.....	May 6	Oct. 25	1925.....	April 21	Oct. 28
1892.....	April 25	Oct. 27	1926.....	April 20	Nov. 5
1893.....	April 26	Oct. 17	1927.....	April 9	Nov. 8
1894.....	April 12	Oct. 16	1928.....	April 17	Oct. 27
1895.....	April 11	Oct. 11	1929.....	April 14	Nov. 22
1896.....	April 9	Oct. 9	1930.....	April 24	Oct. 21
1897.....	April 21	Oct. 31	1931.....	April 12	Nov. 7
1898.....	April 27	Oct. 17	1932.....	April 17	Nov. 4
1899.....	April 6	Oct. 3	1933.....	April 23	Oct. 26
1900.....	May 11	Oct. 20	1934.....	April 5	Oct. 13
1901.....	Mar. 31	Oct. 26	1935.....	April 18	Oct. 8
1902.....	Mar. 26	Oct. 22	1936.....	May 16	Oct. 13
1903.....	April 6	Oct. 22	1937.....	April 23	Oct. 15
1904.....	April 20	Oct. 28	1938.....	April 11	Nov. 16
1905.....	April 19	Oct. 26	1939.....	April 17	Oct. 18

Average date last killing frost in spring, April 16. Latest date, May 16, 1882 and 1936.
Average date first killing frost in autumn, October 24. Earliest, September 26, 1879.

Prevailing Wind Movement

Wind		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
North	{ per cent of time.	11	9	8	9	7	6	5	7	9	9	11	10	.....
	{ hourly velocity..	10	11	10	10	9	9	8	8	8	9	10	11	.....
Northeast	{ per cent of time.	4	6	7	11	11	9	6	6	7	8	6	4	.....
	{ hourly velocity..	11	10	10	9	8	8	6	7	8	8	8	9	.....
East.....	{ per cent of time.	4	6	10	14	17	16	13	15	12	8	5	4	.....
	{ hourly velocity..	11	9	9	10	8	8	6	7	7	7	10	9	.....
Southeast.	{ per cent of time.	4	4	6	5	6	5	5	7	6	5	4	4	.....
	{ hourly velocity..	8	8	8	8	8	7	6	6	7	7	10	8	.....
South	{ per cent of time.	6	7	8	7	10	9	9	9	9	9	7	6	.....
	{ hourly velocity..	9	8	11	11	10	9	9	8	10	9	10	10	.....
Southwest	{ per cent of time.	20	15	17	16	20	25	30	24	23	20	21	20	.....
	{ hourly velocity..	11	10	10	11	9	10	9	9	9	10	10	10	.....
West.....	{ per cent of time.	29	29	23	20	17	20	21	19	18	22	25	30	.....
	{ hourly velocity..	12	12	12	12	10	10	8	9	9	10	11	12	.....
Northwest	{ per cent of time.	22	24	21	18	12	10	11	13	16	19	21	22	.....
	{ hourly velocity..	12	12	12	11	10	8	8	8	9	10	10	11	.....
Prevailing direction.....		w.	w.	w.	w.	sw.	sw.	sw.	sw.	sw.	w.	w.	w.	w.
Average hourly velocity.....		11	12	12	11	10	10	9	9	9	10	11	11	10

Based on 24 years records: anemometer elevation 188 feet above ground.

Daily Maximum Temperature, 1939

Date	January	February	March	April	May	June	July	August	September	October	November	December
1.....	34	30	54	53	55	66	85	89	71	72	53	57
2.....	50	32	34	45	53	65	77	75	86	56	57	56
3.....	31	38	44	44	50	70	83	83	82	54	47	57
4.....	26	34	48	42	51	73	91	84	78	62	49	48
5.....	37	32	46	49	71	81	91	85	77	80	53	39
6.....	46	33	58	51	62	70	86	83	72	74	52	44
7.....	45	32	38	49	68	66	92	81	77	73	52	48
8.....	46	37	32	38	65	78	93	89	66	69	58	48
9.....	44	45	31	43	63	67	89	86	72	79	44	41
10.....	55	37	33	39	76	74	91	87	69	87	55	51
11.....	48	41	28	52	76	86	75	83	70	76	57	39
12.....	35	34	33	47	65	85	79	86	72	57	46	34
13.....	27	48	32	48	51	79	78	87	69	65	41	46
14.....	28	36	38	55	59	77	84	88	79	67	37	38
15.....	34	61	38	54	53	77	89	84	90	51	46	35
16.....	33	34	45	45	52	79	74	91	96	65	61	44
17.....	36	34	39	45	55	66	74	80	81	60	54	46
18.....	26	49	36	45	63	64	79	72	62	47	59	47
19.....	28	46	31	58	76	72	73	80	71	66	46	41
20.....	30	66	40	61	66	76	75	75	73	74	37	57
21.....	30	45	36	59	60	88	71	85	65	67	40	43
22.....	43	36	35	69	51	73	73	92	73	66	41	33
23.....	21	28	41	61	51	67	77	85	79	52	42	32
24.....	38	41	58	57	58	67	80	82	67	45	36	28
25.....	36	36	43	55	76	62	81	77	74	59	36	30
26.....	17	52	40	45	64	62	81	80	72	54	48	23
27.....	23	51	50	46	78	73	80	76	56	65	51	17
28.....	34	50	39	47	90	77	81	76	63	67	50	32
29.....	45	.....	41	51	86	82	73	72	60	48	50	35
30.....	37	.....	41	59	84	72	77	68	81	50	56	32
31.....	23	.....	46	.....	82	.....	87	66	.....	48	.....	34
Mean	35.0	40.6	40.3	50.4	64.8	73.1	81.0	81.5	73.4	63.1	48.5	40.5

Daily Minimum Temperature, 1939

Date	January	February	March	April	May	June	July	August	September	October	November	December
1.....	29	12	34	38	39	58	67	71	57	53	43	36
2.....	29	17	24	26	40	52	60	65	64	49	39	42
3.....	16	26	23	33	40	53	56	66	66	50	36	44
4.....	18	22	35	31	42	52	61	67	65	49	31	34
5.....	17	17	40	31	42	58	66	66	58	52	36	32
6.....	36	24	38	34	44	56	68	64	54	58	39	34
7.....	35	29	21	34	47	53	72	67	54	58	40	33
8.....	32	25	13	32	47	58	73	68	58	52	44	24
9.....	31	22	20	34	58	56	70	70	55	60	30	23
10.....	39	21	12	32	58	60	69	72	60	57	29	38
11.....	35	21	9	37	59	61	63	68	56	53	38	25
12.....	23	17	25	31	47	67	60	63	54	50	36	18
13.....	20	34	25	26	42	64	53	68	53	49	26	25
14.....	20	25	23	37	39	62	64	70	58	42	21	19
15.....	16	30	23	37	42	58	65	66	64	37	27	16
16.....	22	10	27	34	39	63	58	67	70	37	36	29
17.....	23	9	24	31	43	54	59	65	53	36	36	37
18.....	14	31	23	36	43	52	60	65	46	31	34	35
19.....	16	36	17	40	47	53	61	64	49	40	30	33
20.....	19	33	24	47	51	61	58	63	53	54	27	38
21.....	17	31	25	46	51	69	59	70	53	47	27	32
22.....	13	17	20	45	48	61	58	68	47	48	32	24
23.....	4	14	21	46	47	60	58	65	58	37	32	18
24.....	19	20	35	42	47	54	58	64	58	31	28	17
25.....	7	22	36	41	50	54	67	67	53	32	27	20
26.....	5	30	36	42	51	55	65	67	46	43	27	10
27.....	4	35	38	41	50	54	69	64	45	43	35	6
28.....	16	33	23	39	65	59	67	62	50	40	35	10
29.....	33	.....	25	35	54	62	66	62	49	34	34	22
30.....	21	.....	30	39	54	66	66	62	56	36	36	25
31.....	14	.....	36	.....	59	.....	67	60	.....	43	.....	18
Mean	20.7	23.7	26.1	36.9	48.1	58.2	63.6	66.2	55.6	45.2	33.0	26.4

Daily Precipitation, 1939

Day	January	February	March	April	May	June	July	August	September	October	November	December
1.....	*.01	*.01	T. .08	T. .56	.....	.....	T. ....	.....	.....	.40	T. ....	.....
2.....	*.01	*.01	.....	*.56	.....	.....	.....	.....	.....	.05	.....	.69
3.....	.08	.47	.....	.....	T. ....	.....	.....	.01	.....	.47	.....	.34
4.....	T.	*.05	.02	.....	.02	.29	.....	.55	.....	.04	.....	.....
5.....	.....	.....	.02	.....	.....	.....	.....	.....	.07	.....	1.01	.....
6.....	.71	T. ....	.31	.97	.....	.....	.....	.....	.....	T. ....	.....	.....
7.....	.....	*.22	.....	*.07	.....	.....	.....	.....	.....	.....	.....	.....
8.....	.....	*.T. ....	.....	*.T. ....	.....	.....	T. ....	.....	.18	.....	T.	*.T.
9.....	.....	.....	*.39	*.09	T. ....	.24	T.	T. ....	.....	.01	*.T. ....	.....
10.....	T.	*.23	*.02	*.02	.....	.03	T. ....	.....	.15	.....	T. ....	.24
11.....	.....	.22	*.12	.50	.....	.16	.....	.....	.....	.....	T.	*.13
12.....	.....	.....	*.1.44	*.17	.....	.....	.21	.....	.....	.....	.....	.....
13.....	.....	.....	*.57	.....	.....	T. ....	.....	.02	.....	.....	*.T. ....	.07
14.....	*.01	.....	.....	.....	.....	.70	.37	T. ....	.....	T. ....	.....	*.T.
15.....	.....	*.64	.35	.08	.....	T. ....	.....	.....	.....	.....	.....	.....
16.....	.....	*.04	.87	.....	.....	.05	.....	.....	.....	.....	.....	T.
17.....	.....	*.T.	*.T. ....	.12	.....	.47	.....	.10	T.	T. ....	.....	T.
18.....	*.02	.....	.....	1.13	T. ....	.....	.....	T. ....	.....	.....	.....	.....
19.....	*.01	.13	.....	.66	.....	.....	.....	.....	T.	T. ....	.....	T.
20.....	T.	T.	*.T. ....	.....	.....	T. ....	.....	.56	T.	T.	*.T. ....	.96
21.....	.....	.06	.....	.....	.01	.....	.....	T. ....	.10	T.	*.T.	*.T.
22.....	*.19	*.25	.....	.01	.55	.....	.....	.....	.....	.16	*.13	*.T.
23.....	.....	.....	.....	T. ....	.19	.29	.....	.....	.....	.....	.....	.....
24.....	*.03	*.T. ....	.....	.01	T.	T.	T. ....	.....	.....	.....	.....	.....
25.....	*.05	.....	T. ....	.....	.....	.19	T. ....	.35	T. ....	.04	.....	.....
26.....	.....	.74	.10	.15	.....	.....	.....	T. ....	.18	.15	.....	.....
27.....	.....	.....	.05	T. ....	.43	.....	.....	.....	.25	.05	.....	.....
28.....	.....	.73	*.40	T. ....	.....	.....	T. ....	.....	.08	.05	.....	.....
29.....	T. ....	.....	.....	.....	.09	T.	T. ....	.11	.....	.....	.....	.....
30.....	*.1.01	.....	*.49	.....	.....	.28	.09	.35	T. ....	.81	.....	*.47
31.....	*.05	.....	.....	.....	.....	.....	.08	.09	.....	2.54	.....	*.01
Total	2.18	3.79	5.23	4.54	1.29	2.70	0.75	2.14	1.01	4.77	1.14	2.91

T. indicates a trace. *Wholly or partly snow.

Daily Cloudiness, 1939

[Daylight hours; scale 0 to 10]

Day	January	February	March	April	May	June	July	August	September	October	November	December
1.....	6	0	8	2	7	8	5	4	4	10	0	1
2.....	10	10	3	10	6	4	5	7	4	10	4	10
3.....	10	10	0	8	10	.1	5	5	9	10	1	10
4.....	10	7	10	8	9	7	5	9	2	10	4	6
5.....	6	9	10	5	7	7	7	5	9	2	10	9
6.....	10	10	10	9	6	5	4	5	4	7	0	9
7.....	8	10	7	6	5	5	6	6	1	3	5	9
8.....	5	7	0	10	10	9	8	7	10	8	6	8
9.....	6	2	10	9	10	7	9	8	5	9	3	9
10.....	8	10	6	10	3	9	5	3	10	5	8	10
11.....	6	7	8	9	6	3	5	1	4	7	3	10
12.....	3	3	10	10	2	5	7	1	8	10	2	2
13.....	10	9	10	5	10	6	6	7	1	0	8	10
14.....	10	10	0	8	2	10	9	4	2	8	1	7
15.....	1	10	9	8	2	3	4	3	1	0	1	0
16.....	10	0	10	6	4	4	6	4	0	0	6	10
17.....	4	10	5	8	7	8	7	7	7	7	1	9
18.....	8	6	4	10	8	2	5	10	0	2	3	5
19.....	9	9	2	10	7	5	7	10	0	2	5	8
20.....	9	8	10	7	8	8	2	10	10	4	9	10
21.....	10	10	0	1	10	1	3	7	9	7	10	6
22.....	9	8	0	8	10	2	8	5	0	8	10	6
23.....	0	1	3	5	10	10	7	2	5	5	2	0
24.....	10	10	5	10	7	5	4	3	1	0	9	1
25.....	8	3	10	5	5	10	7	9	9	4	10	6
26.....	4	10	10	10	5	10	8	9	10	10	2	1
27.....	3	2	10	10	8	6	9	7	10	10	7	8
28.....	4	10	10	8	9	5	6	8	4	8	4	0
29.....	10	.....	2	9	7	6	10	9	10	0	3	9
30.....	10	.....	10	7	2	10	9	10	8	8	7	8
31.....	10	.....	8	.....	4	.....	7	10	.....	10	.....	10
Mean	7.3	7.2	6.5	7.7	6.6	6.0	6.3	6.3	5.2	5.9	4.8	6.7

Note.—Clear (0 to 3). Partly cloudy (4 to 7). Cloudy (8 to 10).

C30
.16
:B74
940

U. S. DEPARTMENT OF COMMERCE
WEATHER BUREAU

ANNUAL
METEOROLOGICAL
SUMMARY

WITH COMPARATIVE DATA

1940

BOSTON, MASS.

Kirstein Business Library
FEB 27 1941

COMPILED BY
G. H. NOYES

BOSTON, MASS.
1941

SUMMARY FOR YEAR 1940, BOSTON, MASS.

2

BOSTON, MASSACHUSETTS

Month.	Temperature.			Relative humidity (per cent).		Precipitation.			Sun-shine		Wind.			Number of days.																																																																																																																																																																																																																																																																																																																																																																							
	Mean.		Extremes.	7:30 a. m. 1:30 p. m. 7:30 p. m.		Total.	Greatest in 24 hours.	Date.	Snowfall.	Number of hours.	Percent of possible.	Average hourly ve- locity.	Prevailing direction.	Highest.		Gales (32 miles per hour or over). Clear. Partly cloudy. Cloudy. With precipitation (.01 in. or more). Snow (.01 in. or more melted). Thunderstorms. Dense fog.								Max. temp.		Min. temp.																																																																																																																																																																																																																																																																																																																																																											
														Month.	Minimum.									Direction.	Velocity.	90° or above.	32° or below.	32° or below.	0° or below.																																																																																																																																																																																																																																																																																																																																																								
	Year..	Maximum.	Minimum.	Monthly.	Highest.	Lowest.	Date.	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Feb.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mar.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Apr.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	May	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	June	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	July	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	August	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	September	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	October	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	November	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	December	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

Elevation of instruments above ground : thermometers, 33 feet; rain-gage, 3 feet; anemometer 62 feet.

Monthly and Annual Mean Temperatures

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.	Dec.	An'l.
1840..	20.0	30.8	34.4	48.4	55.6	66.2	71.8	70.3	59.9	49.5	36.6	24.7	47.4
1841..	27.9	22.3	33.1	41.1	53.2	67.4	69.8	68.5	62.3	44.6	36.4	30.0	46.4
1842..	27.2	31.6	37.4	44.4	51.7	62.6	72.7	67.5	58.2	47.9	34.8	23.5	46.6
1843..	29.7	16.8	25.4	43.5	54.5	64.2	69.2	69.9	60.6	47.5	34.3	26.9	45.2
1844..	15.4	24.6	33.8	48.4	57.4	65.1	68.2	67.8	64.0	45.5	34.3	27.0	46.0
1845..	27.2	27.6	36.2	46.3	56.6	68.1	72.1	71.3	60.2	51.8	44.3	25.6	48.9
1846..	27.4	21.3	38.2	49.5	55.8	65.0	71.6	70.2	66.7	51.2	43.2	27.4	49.0
1847..	26.4	25.9	30.8	42.0	53.4	64.7	73.0	68.1	61.0	47.7	44.1	34.8	47.7
1848..	29.1	24.7	32.2	45.5	57.8	64.8	70.2	69.6	58.6	49.8	36.2	34.4	47.7
1849..	21.0	18.4	35.8	43.5	52.5	67.7	71.6	69.2	60.0	49.2	45.0	28.9	46.9
1850..	27.2	29.4	32.6	42.4	51.4	67.2	71.6	67.0	61.0	51.4	41.0	25.2	47.3
1851..	25.5	29.9	36.2	44.5	55.5	64.8	71.4	68.0	61.1	52.9	34.8	22.9	47.3
1852..	20.8	27.4	32.9	41.0	56.8	67.4	72.4	66.6	62.1	50.4	38.3	35.0	47.6
1853..	25.8	29.2	35.8	45.1	56.4	66.8	70.6	67.5	61.2	47.8	39.6	26.4	47.7
1854..	23.9	23.5	32.4	42.3	58.7	65.6	74.4	68.4	61.5	52.5	41.2	24.4	47.4
1855..	28.4	20.2	32.3	44.1	53.4	65.5	72.2	67.3	61.4	51.5	40.0	28.6	47.1
1856..	16.8	20.9	27.0	44.0	52.6	68.1	72.7	67.2	63.0	51.1	38.7	24.0	45.5
1857..	15.2	33.6	32.9	41.8	54.7	63.4	71.6	68.2	62.0	51.3	41.3	33.2	47.4
1858..	30.9	22.2	31.6	45.2	52.9	67.8	69.9	66.6	61.8	53.0	35.3	28.0	47.1
1859..	25.4	28.5	38.6	42.9	58.1	64.2	69.7	68.0	58.8	46.5	42.0	24.4	47.3
1860..	27.7	25.8	38.4	44.2	56.1	65.4	68.1	69.5	59.7	50.8	43.4	26.6	48.0
1861..	23.0	32.6	35.0	44.3	54.5	65.9	71.9	67.6	62.0	54.2	38.4	30.6	48.3
1862..	22.9	22.7	32.7	44.0	58.3	63.6	69.3	70.1	60.1	53.0	40.0	27.6	47.0
1863..	28.8	25.1	27.2	44.2	59.1	65.3	73.2	73.2	60.3	51.9	42.3	25.7	48.0
1864..	25.0	27.4	34.4	42.1	56.4	67.8	73.6	73.3	60.1	47.8	39.6	27.4	47.9
1865..	16.8	24.2	37.9	49.6	53.1	73.1	73.4	71.1	66.7	48.2	40.2	29.6	49.1
1866..	22.4	27.9	32.8	47.8	53.4	66.1	74.4	65.5	62.0	49.6	41.6	27.2	47.6
1867..	18.6	32.2	30.8	44.7	53.1	66.9	69.2	70.4	60.0	50.9	38.7	23.1	46.6
1868..	22.0	20.1	32.3	42.1	50.8	64.2	73.6	69.7	59.9	46.4	36.5	25.6	45.3
1869..	27.9	28.9	26.6	43.6	54.0	64.2	70.8	67.6	62.3	48.7	36.4	28.4	46.6
1870..	32.7	24.5	30.0	46.6	57.6	63.5	72.9	71.8	62.7	53.3	41.1	32.6	49.5
M'ns.	24.5	25.8	33.2	44.5	55.2	66.1	71.5	68.9	61.3	49.9	39.3	27.7	47.3

These temperature records were made at the Astronomical Observatory of Harvard College, which is located on Concord Avenue and Bond Street, Cambridge, Mass., about three miles from the Weather Bureau station in Boston, Mass.

MISCELLANEOUS DATA FOR 1940.

Barometric Pressure (reduced to sea level).—Mean, 29.99 inches, 1015.4 millibars; highest, 30.64 inches, 1037.6 millibars; December 19; lowest, 28.98 inches, 981.4 millibars, Feb., 11.

Temperature.—Greatest monthly range, 56°, December; least monthly range, 32°, May. Highest mean temperature of three consecutive days, 80°, July 25–27; lowest mean temperature of three consecutive days, 15°, January 17–19.

Precipitation.—Longest period without precipitation, 11 days, May 6–16; longest period with precipitation, 6 days, May 21–26. Greatest amount in 24 consecutive hours, 1.79 inches, February 14–15. Maximum amount in 5 minutes, 0.37 inch, July 30; 10 minutes, 0.60 inch, July 30; 15 minutes, 0.63 inch, July 30; 30 minutes, 0.63 inch, July 30; 1 hour, 0.64 inch, July 30.

Frost.—Last killing frost in spring, April 22. First killing frost in autumn, October 19.

Snow.—Greatest snowfall in 24 hours, 14.0 inches, February 14–15. Greatest depth of snow on ground, 13.0 inches, February 15. Last snow in spring occurred on April 22; first in autumn occurred on October 21.

Thunderstorms.—First thunderstorm occurred on March 20; last thunderstorm occurred on October 15.

Monthly and Annual Mean Temperatures

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	An'l
1871...	26.0	28.6	41.5	47.0	57.9	65.9	70.8	71.7	59.3	54.0	36.6	27.9	48.9
1872...	27.4	28.1	26.0	46.6	59.4	68.9	75.6	73.0	64.5	51.8	40.6	23.2	48.8
1873...	25.1	26.3	33.9	45.0	56.8	67.3	72.9	69.8	62.8	53.5	33.4	32.0	48.2
1874...	30.5	27.0	34.4	38.8	55.4	66.0	72.6	68.0	64.4	53.2	41.6	31.3	48.6
1875...	20.1	22.3	31.4	42.6	57.9	66.7	72.1	71.0	60.6	50.2	35.0	29.6	46.6
1876...	30.7	27.4	33.4	43.9	54.6	68.8	74.0	70.2	59.9	48.2	41.4	22.2	47.9
1877...	24.8	34.2	34.9	44.2	55.0	66.8	71.1	72.2	65.2	52.0	44.2	36.4	50.1
1878...	28.0	30.6	39.6	48.2	56.5	64.6	73.7	69.7	64.2	56.1	40.8	30.3	50.2
1879...	24.2	24.6	33.6	42.4	60.2	64.8	70.8	69.3	62.0	57.6	38.8	32.3	48.4
1880...	34.6	31.8	33.2	46.4	63.7	68.6	71.8	70.8	65.2	52.2	38.2	26.7	50.3
1881...	22.0	27.9	37.2	43.6	56.6	61.7	70.2	71.4	67.6	54.4	43.6	39.0	49.6
1882...	26.0	30.4	36.0	42.8	50.6	66.8	73.2	71.5	64.0	55.4	39.0	30.4	48.8
1883...	24.4	28.8	30.8	45.2	56.5	70.1	71.7	68.2	59.8	47.7	42.8	29.1	47.9
1884...	24.1	31.2	34.2	43.8	54.8	67.2	68.6	69.7	66.9	52.6	41.4	33.8	49.0
1885...	27.4	20.6	27.6	47.2	53.2	66.8	71.8	67.8	60.1	51.6	44.0	32.7	47.6
1886...	25.8	26.6	33.3	48.6	56.8	63.2	71.2	68.2	63.1	52.0	43.2	28.4	48.4
1887...	25.0	28.7	31.5	44.2	59.6	65.2	74.6	67.6	59.8	51.5	42.2	32.4	48.5
1888...	20.1	28.3	32.2	42.6	53.0	66.8	68.8	70.2	59.8	47.8	43.8	34.6	47.3
1889...	35.8	26.0	38.2	47.8	60.3	69.2	69.4	67.4	62.8	48.5	44.6	38.0	50.7
1890...	32.4	33.2	34.9	46.3	57.0	64.2	71.0	68.9	62.9	51.0	41.8	26.0	49.1
1891...	31.1	32.0	33.6	48.0	55.8	65.0	69.0	70.0	66.7	51.6	41.4	40.4	50.4
1892...	28.3	28.4	32.9	48.4	55.9	69.6	73.0	70.2	62.5	52.7	41.2	29.9	49.4
1893...	20.7	26.8	32.8	44.4	56.3	64.8	71.4	69.6	60.0	54.8	42.2	30.4	47.9
1894...	30.1	26.6	42.5	47.0	57.6	68.8	73.7	68.0	64.8	54.0	38.2	32.2	50.3
1895...	28.8	24.6	34.6	46.0	60.2	66.8	69.3	71.0	65.7	49.6	45.4	35.6	49.8
1896...	24.9	28.7	32.0	47.2	60.3	66.1	71.8	70.7	62.2	50.2	46.5	30.4	49.2
1897...	28.4	30.9	36.9	49.0	57.6	62.3	71.6	69.6	63.1	54.4	41.4	34.0	49.9
1898...	28.7	32.8	42.8	43.8	55.8	65.8	73.1	66.2	54.2	42.0	32.0	30.2	50.8
1899...	29.0	26.8	34.0	48.1	57.8	70.0	72.6	68.8	62.0	54.5	42.1	36.2	50.2
1900...	30.0	29.3	34.0	48.6	55.2	63.6	73.8	71.1	65.0	56.6	44.6	34.4	50.8
1901...	27.6	24.2	36.2	43.5	54.3	68.2	73.4	70.7	65.4	54.4	37.2	32.4	49.0
1902...	26.6	28.8	43.4	48.4	57.6	64.3	67.8	67.6	62.6	53.6	46.2	28.5	49.6
1903...	26.8	31.4	44.4	47.8	58.5	59.8	71.4	65.0	64.4	53.9	40.0	29.0	49.4
1904...	21.6	22.6	34.6	44.6	60.8	64.0	71.4	68.7	62.5	50.6	38.2	25.8	47.1
1905...	25.1	23.4	37.2	46.8	57.6	65.2	73.2	68.6	62.0	53.6	41.6	35.1	49.1
1906...	35.7	29.7	32.4	47.2	58.0	66.4	70.1	72.0	65.0	52.5	41.7	29.1	50.0
1907...	27.0	21.6	37.9	43.4	52.4	65.1	72.4	69.6	64.4	49.8	43.2	37.2	48.7
1908...	31.0	26.8	38.6	46.8	59.0	69.8	74.1	69.4	65.8	55.4	43.6	33.3	51.2
1909...	30.3	32.6	36.8	47.8	55.8	69.4	71.5	69.8	62.6	52.8	46.4	30.8	50.5
1910...	32.0	29.5	42.0	51.6	57.6	65.2	74.9	68.8	62.8	56.0	41.2	27.5	50.8
1911...	31.8	27.0	35.4	46.1	62.4	65.6	71.1	69.0	62.6	52.6	41.8	39.4	50.9
1912...	21.4	27.7	36.0	47.4	58.6	68.0	73.2	69.0	63.7	57.4	45.6	38.5	50.5
1913...	39.2	27.7	42.4	48.0	55.2	67.5	73.8	70.8	62.0	56.4	46.5	37.8	52.3
1914...	28.7	24.3	36.7	45.3	60.4	67.3	68.6	70.4	64.6	57.0	42.7	30.4	49.7
1915...	33.0	33.2	35.8	50.8	56.6	63.9	70.1	69.1	66.8	55.7	45.4	34.2	51.2
1916...	33.0	25.5	30.6	45.6	58.6	62.6	72.6	71.8	65.0	55.5	42.6	32.6	49.7
1917...	30.2	25.8	37.2	44.0	50.7	65.8	73.3	72.8	60.2	51.9	39.4	23.7	47.9
1918...	21.0	26.9	36.7	47.8	63.3	63.9	71.0	70.4	61.2	56.2	45.0	34.7	49.8
1919...	33.2	32.6	40.8	46.9	59.1	67.2	74.0	68.8	63.9	55.1	42.8	28.7	51.1
1920...	21.0	27.6	39.2	45.0	54.6	65.8	72.4	72.0	65.2	59.8	41.7	35.6	50.0
1921...	32.1	32.6	46.2	51.8	58.0	68.2	73.2	69.8	68.5	55.2	41.6	31.4	52.4
1922...	27.2	32.0	39.8	48.7	61.4	68.6	72.0	70.4	65.2	55.1	43.8	30.9	51.3
1923...	27.0	23.4	33.9	48.2	57.6	69.3	70.0	69.4	64.2	55.5	44.6	40.4	50.3
1924...	31.9	26.6	37.4	47.2	56.2	66.6	73.8	71.8	62.2	54.6	44.6	31.1	50.3
1925...	27.2	38.0	43.0	49.8	57.4	70.9	72.4	71.2	64.0	49.3	43.6	33.6	51.7
1926...	31.0	27.8	34.2	44.8	56.0	64.3	70.5	70.4	62.4	53.4	44.2	28.6	49.0
1927...	30.6	32.6	41.6	48.3	55.2	65.0	72.2	67.4	65.0	57.9	49.6	36.0	51.8
1928...	33.0	29.6	37.0	46.8	55.4	65.0	73.2	73.6	62.4	56.6	44.8	38.5	51.3
1929...	29.0	31.7	41.4	47.1	61.0	68.4	72.6	69.3	65.2	53.2	44.7	32.6	51.4
1930...	31.8	34.1	38.3	47.6	59.4	72.4	72.6	70.5	69.4	53.0	45.0	33.2	52.3
1931...	30.6	30.6	39.3	50.2	60.3	67.2	74.0	72.2	66.9	58.5	49.4	36.6	53.0
1932...	38.8	30.6	35.6	47.4	60.2	66.4	72.8	74.0	65.2	57.1	42.8	38.1	52.4
1933...	37.8	33.7	35.7	46.5	61.6	69.6	70.8	71.8	65.8	52.7	38.3	26.8	50.9
1934...	29.6	17.5	35.1	48.0	60.6	66.9	73.2	67.3	61.6	49.6	45.6	28.4	48.9
1935...	23.2	27.8	38.4	45.2	55.5	65.5	72.6	70.7	61.4	53.8	45.4	27.1	48.9
1936...	28.2	22.8	41.8	45.2	60.6	66.2	71.1	69.7	62.6	54.4	39.5	35.0	49.7
1937...	37.4	33.2	34.1	45.2	59.1	66.4	73.2	74.6	63.0	52.6	44.0	31.2	51.2
1938...	28.0	30.6	39.1	48.7	55.8	67.2	71.8	73.6	62.2	56.0	46.4	34.0	51.1
1939...	27.8	32.2	33.2	43.6	56.4	65.6	72.3	73.8	64.5	54.2	40.8	33.4	49.8
1940...	23.0	29.6	33.1	43.6	56.2	65.1	71.6	68.4	63.3	50.6	42.9	34.3	48.5
M'ns	28.5	28.5	36.4	46.4	57.5	66.5	72.1	70.2	63.6	53.5	42.5	32.2	49.8

NOTE.—Bold-face figures indicate highest and lowest monthly means.

SEASONAL SNOWFALL.

Years	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Season
1871-2.....	0	T.	12.3	3.4	11.3	17.3	0	0	44.3
1872-3.....	0	0.3	23.7	11.6	8.3	5.2	T.	T.	49.1
1873-4.....	0	7.5	13.7	20.3	22.7	3.9	28.3	0	96.4
1874-5.....	0	T.	5.7	10.4	0.3	27.3	6.3	0	50.0
1875-6.....	0	0	1.1	0.5	5.4	3.0	T.	0	10.0
1876-7.....	0	0.3	9.0	17.5	T.	15.5	T.	0	42.3
1877-8.....	T.	T.	0.8	14.3	12.6	T.	0	0	27.7
1878-9.....	0	0.3	1.2	18.2	11.9	7.8	4.0	0	43.4
1879-0.....	0	6.0	18.6	3.2	11.4	15.0	0	0	54.2
1880-1.....	0	0.8	19.2	20.5	9.0	3.1	4.2	0	56.8
1881-2.....	0	1.5	T.	15.4	17.9	5.6	0	0	40.4
1882-3.....	0	10.0	6.0	9.6	9.0	4.3	T.	0	38.9
1883-4.....	0	T.	24.4	11.9	12.5	7.7	9.5	0	66.0
1884-5.....	0.5	4.8	2.3	3.9	3.3	9.5	T.	0	24.3
1885-6.....	0	0.5	5.5	21.5	4.0	4.5	T.	0	36.0
1886-7.....	0	T.	18.5	16.0	12.0	11.5	15.0	0	73.0
1887-8.....	0	T.	6.5	13.1	9.6	12.0	T.	T.	41.2
1888-9.....	0	4.8	T.	4.5	7.5	2.2	0	0	19.0
1889-0.....	0	T.	4.0	8.5	6.3	20.3	0	0	39.1
1890-1.....	0	T.	14.5	14.8	13.8	16.2	T.	0	59.3
1891-2.....	T.	0	T.	12.0	11.5	20.0	0	0	43.5
1892-3.....	0	3.0	2.0	14.6	35.3	4.5	7.9	0	67.3
1893-4.....	0	0.4	18.5	15.0	21.6	T.	8.5	0	64.0
1894-5.....	0	6.7	13.5	13.9	8.8	3.8	0.5	0	47.2
1895-6.....	0	T.	5.2	9.5	9.5	14.5	0.2	0	38.9
1896-7.....	0	2.2	8.6	18.2	10.9	3.3	T.	0	43.2
1897-8.....	0	8.1	7.8	16.3	11.5	6.0	2.2	0	51.9
1898-9.....	0	17.8	7.7	6.1	30.2	9.3	T.	0	71.1
1899-0.....	T.	0.1	T.	8.3	9.0	7.6	0	T.	25.0
1900-1.....	0	0.1	0.8	7.8	8.8	T.	0	0	17.5
1901-2.....	0	0	12.6	11.0	13.0	7.5	T.	0	44.1
1902-3.....	T.	T.	22.8	4.2	14.7	0.3	T.	0	42.0
1903-4.....	0	0	10.6	35.7	16.5	8.9	1.4	0	73.1
1904-5.....	T.	T.	12.0	21.3	8.0	3.6	T.	0	44.9
1905-6.....	0	T.	3.5	6.1	6.1	21.9	T.	0	37.6
1906-7.....	0	1.1	15.5	16.1	25.5	6.6	3.1	T.	67.9
1907-8.....	0	0	7.0	4.3	9.3	4.8	0.8	0	26.2
1908-9.....	0	T.	3.5	11.2	2.3	3.1	0	0	20.1
1909-0.....	T.	T.	12.3	11.9	12.6	0.2	0	0	37.0
1910-1.....	0	1.4	8.2	0.7	19.5	3.1	7.7	0	40.6
1911-2.....	0	0.3	3.7	17.8	0.2	9.1	0.5	0	31.6
1912-3.....	0	0.3	9.2	0.3	7.7	0.5	1.4	0	19.4
1913-4.....	0.4	T.	0.9	10.3	20.6	5.2	2.0	0	39.4
1914-5.....	T.	T.	4.1	7.0	5.1	T.	6.1	0	22.3
1915-6.....	0	0.2	6.7	4.8	30.3	33.0	4.2	0	79.2
1916-7.....	0	0.7	9.5	13.1	8.9	12.9	9.1	T.	54.2
1917-8.....	0	2.2	7.0	13.8	5.7	12.8	4.2	0	45.7
1918-9.....	0	T.	8.4	4.1	6.2	2.4	T.	0	21.1
1919-0.....	0	0.2	2.9	24.8	32.5	11.0	2.0	T.	73.4
1920-1.....	0	1.8	5.5	3.6	23.2	T.	T.	0	34.1
1921-2.....	0	1.6	4.4	2.7	15.5	10.1	3.3	0	37.6
1922-3.....	0	0.9	14.7	28.0	14.3	10.6	T.	0	68.5
1923-4.....	0	T.	3.0	8.5	10.4	7.4	3.0	0	32.3
1924-5.....	0	0.5	0.2	20.7	T.	T.	T.	0	21.4
1925-6.....	T.	T.	0.5	7.4	27.6	2.8	T.	0	38.3
1926-7.....	0	T.	24.2	16.1	19.2	0.6	0.2	0	60.3
1927-8.....	0	0.5	T.	5.1	8.7	6.5	T.	0	20.8
1928-9.....	T.	1.4	4.6	13.5	21.4	4.0	0.6	0	45.5
1929-0.....	0	3.0	10.6	7.7	9.5	0.6	T.	0	31.4
1930-1.....	T.	0.1	7.7	11.7	14.0	7.3	T.	0	40.8
1931-2.....	0	T.	1.4	6.2	10.8	5.8	T.	0	24.2
1932-3.....	0	T.	8.6	1.3	20.6	5.1	5.0	0	40.6
1933-4.....	0	2.9	15.6	0.8	32.9	10.5	T.	0	62.7
1934-5.....	T.	T.	1.6	26.7	13.1	2.1	1.9	0	45.4
1935-6.....	0	1.0	0.3	12.7	12.6	2.9	T.	0	29.5
1936-7.....	0	4.4	0.7	2.0	T.	1.9	T.	0	9.0
1937-8.....	0	0.3	4.6	29.6	10.0	0.3	0.9	0	45.7
1938-9.....	0	10.0	1.3	7.5	4.7	16.5	0.2	0	40.2
1939-0.....	0	1.0	6.5	4.6	23.8	0.3	1.5	0	37.7
1940-1.....	T.	8.5	4.5	.....	.....	.....	.....	.....	.....
Means.....	T.	1.7	7.6	11.5	12.8	7.3	2.1	T.	43.0

Hours of Sunshine

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1893...	.....	161	221	212	219	222	289	241	231	219	184	130	.....
1894...	135	159	222	203	260	286	340	275	216	165	143	148	2556
1895...	143	218	215	202	287	254	253	289	255	208	110	123	2557
1896...	155	167	208	246	263	260	235	232	191	132	110	184	2412
1897...	136	159	165	227	196	258	220	270	258	230	119	132	2370
1898...	164	142	194	174	198	234	252	242	266	171	126	153	2316
1899...	185	160	163	292	292	323	316	210	216	150	164	180	2652
1900...	154	146	237	234	232	311	320	261	225	146	120	142	2527
1901...	134	203	158	106	212	332	266	223	218	236	134	121	2349
1902...	152	170	187	175	295	295	253	304	190	196	120	142	2479
1903...	149	174	203	261	347	183	300	249	289	212	180	168	2715
1904...	151	164	197	211	281	249	277	262	229	184	141	107	2452
1905...	150	188	224	261	298	268	319	271	191	224	179	127	2700
1906...	144	192	223	254	307	293	289	292	271	173	130	81	2649
1907...	91	141	192	204	211	284	336	312	159	199	103	129	2363
1908...	171	186	196	254	267	366	314	255	243	206	166	138	2760
1909...	102	155	223	237	283	361	374	314	213	225	119	157	2763
1910...	123	171	259	236	233	259	338	282	208	210	101	127	2547
1911...	119	141	238	300	329	306	228	281	241	175	171	135	2764
1912...	136	202	233	234	281	390	339	301	224	226	170	160	2902
1913...	141	203	193	236	272	353	335	287	224	90	150	140	2623
1914...	106	192	166	217	252	279	254	201	274	209	148	122	2419
1915...	134	166	292	220	239	291	275	256	275	200	160	138	2705
1916...	149	144	228	206	274	278	260	306	275	232	160	167	2678
1917...	118	171	224	204	214	257	306	307	267	186	193	112	2553
1918...	165	170	248	250	311	304	271	264	207	165	143	110	2608
1919...	134	213	173	185	276	330	301	260	193	134	125	126	2451
1920...	147	143	237	183	252	233	343	246	226	228	88	152	2484
1921...	163	159	210	174	288	332	274	339	269	224	94	132	2659
1922...	172	114	178	248	332	251	294	224	252	214	139	96	2514
1923...	116	160	193	241	291	281	255	286	222	200	145	118	2512
1924...	162	199	234	224	225	289	347	275	222	251	171	122	2723
1925...	141	156	210	261	274	311	301	294	209	145	160	134	2596
1926...	106	126	211	236	253	270	268	200	215	196	160	130	2401
1927...	133	118	255	343	218	306	241	233	266	253	132	152	2651
1928...	191	201	247	279	262	249	298	212	193	230	105	171	2669
1929...	171	162	211	182	326	346	367	296	205	193	186	118	2712
1930...	113	181	236	293	271	306	274	294	275	195	155	130	2724
1931...	203	170	193	275	284	268	244	240	243	223	149	125	2622
1932...	96	187	222	257	338	291	343	339	268	174	165	150	2780
1933...	175	207	195	197	282	289	291	239	200	218	149	95	2537
1934...	118	183	237	278	311	287	286	241	120	157	180	140	2518
1935...	142	132	225	162	254	207	248	267	163	251	90	126	2265
1936...	175	167	204	192	320	289	369	254	212	198	148	115	2643
1937...	121	163	236	208	244	244	309	257	259	162	141	150	2492
1938...	121	114	176	233	279	302	242	326	213	178	160	126	2470
1939...	119	135	180	177	276	295	325	260	230	150	170	108	2425
1940...	174	153	214	197	221	275	293	305	224	213	96	93	2459
Aver ^s .	143	166	213	227	271	287	293	270	228	196	141	133	2568
Possible	295	1297	371	401	452	455	461	429	374	343	295	284	4457

† Leap years not considered.

EXTREMES OF BAROMETRIC PRESSURE, 1872-1940

Sea Level Pressure

MONTH	PRESSURE						
	Average	Maximum	Year	Day	Minimum	Year	Day
January.....	30.05	31.00	1920	31	28.67	1913	3
February	30.00	31.03	1920	1	28.69	1895	8
March	29.99	30.96	1904	5	28.45	1932	7
April.....	29.97	30.72	1911	12	28.86	1907	9
May	29.98	30.63	1936	22	29.11	1929	3
June	29.97	30.57	1884	15	29.26	1923	27
July	29.95	30.51	1892	7	29.21	1932	2
August.....	30.01	30.43	1934	31	29.26	1924	26
September	30.03	30.65	1888	7	29.09	1938	21
October	30.06	30.75	1879	3	28.97	1925	25
November	30.02	30.87	1932	28	28.73	1873	18
December.....	30.02	30.96	1887	1	28.80	1915	14
Average or Extremes	30.01	31.03	1920	Feb. 1	28.45	1932	Mar. 7

Maximum Amounts of Precipitation

Month	5 min's		10 min's		15 min's		30 min's		1 hour		2 hours		24 hours	
	Am't	Yr.	Am't	Yr.	Am't	Yr.	Am't	Yr.	Am't	Yr.	Am't	Yr.	Am't	Yr.
Jan.	.15	1936	.25	1936	.29	1936	.40	1936	.57	1919	.81	1919	3.25	1881
Febr.	.10	*1926	.14	*1918	.20	1920	.33	1920	.49	1920	.71	1920	4.45	1886
Mar.	.15	1913	.23	1913	.26	1913	.39	1913	.54	*1932	1.03	1932	3.04	1877
April	.13	1936	.19	1921	.24	1920	.31	1920	.50	1931	.78	*1931	3.19	1921
May	.55	1932	.62	1932	.63	1932	.65	1932	.69	1926	.94	1926	3.31	1920
June	.42	1925	.72	1905	.75	1905	.90	1925	1.07	1922	1.23	1922	5.35	1875
July	.50	1927	.67	1916	.85	1916	1.33	1916	1.62	1921	2.45	1915	6.04	1921
Aug.	.55	1908	.91	1908	1.12	1908	1.45	1908	1.80	1901	2.27	1917	4.99	1879
Sept.	.25	1902	.43	1927	.62	*1927	1.01	1911	1.10	1904	1.74	1904	5.63	1933
Oct.	.34	1928	.54	1928	.67	1928	.86	1906	1.58	1906	1.74	1906	4.92	1895
Nov.	.21	1925	*.31	1932	.39	1927	*.62	1932	.83	1932	.94	1927	5.43	1876
Dec.	.15	1937	.21	1937	.26	1937	.45	1937	.81	1937	1.47	1937	3.36	1937
High- est	.55	1908	.91	1908	1.12	1908	1.45	1908	1.80	1901	2.45	1915	6.04	1921

** 1871 to 1937, other data 1901 to 1937.

* Several occurrences.

MONTHLY AND ANNUAL PRECIPITATION.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	An'l.
1818..	2.64	3.49	4.05	6.15	5.96	3.47	4.08	0.46	7.81	2.11	1.91	0.86	42.99
1819..	0.70	2.27	6.21	3.74	3.06	3.56	2.02	4.38	5.29	1.40	1.22	1.63	35.48
1820..	3.12	4.25	4.90	0.45	5.08	3.42	4.19	5.15	2.43	5.39	3.00	2.80	44.18
1821..	1.41	4.42	2.53	4.90	4.84	2.79	2.35	1.56	4.73	2.29	3.12	1.93	36.89
1822..	1.29	2.34	2.02	2.99	0.78	3.54	4.32	1.20	2.15	2.53	2.58	1.46	27.20
1823..	3.00	4.57	7.72	2.21	6.40	0.93	5.74	1.98	1.95	3.95	1.92	6.93	47.30
1824..	3.95	5.99	1.81	4.72	1.43	1.60	0.88	3.68	6.43	1.01	1.72	2.80	36.02
1825..	2.79	3.43	4.70	0.37	1.36	4.77	1.24	5.62	2.66	3.21	0.81	4.38	35.34
1826..	2.55	1.48	3.81	1.50	0.25	3.85	2.90	12.10	3.03	3.80	2.31	3.56	41.14
1827..	3.92	2.97	2.51	4.75	5.34	2.56	2.59	4.88	4.81	5.28	5.71	3.59	48.91
1828..	2.15	2.79	1.84	2.00	4.67	1.59	4.58	0.37	3.82	2.79	5.55	0.26	32.41
1829..	4.93	5.62	4.30	3.45	2.71	1.64	6.98	4.95	2.62	1.65	5.74	2.26	46.85
1830..	2.36	1.63	3.51	1.21	3.93	3.46	4.90	2.64	5.65	2.38	5.32	5.96	42.95
1831..	4.44	3.68	3.07	6.97	3.65	4.32	5.53	5.57	3.83	4.42	3.20	2.93	51.61
1832..	4.47	3.74	2.65	5.56	7.27	0.50	3.41	6.14	2.07	2.46	3.57	4.85	46.69
1833..	2.96	2.53	2.71	2.30	1.03	3.23	2.01	0.82	2.88	6.00	5.53	5.86	37.86
1834..	1.39	1.13	0.96	2.93	6.33	3.09	7.71	2.47	3.71	4.62	2.90	2.36	39.60
1835..	3.25	1.37	4.27	4.54	2.07	2.74	9.07	2.89	1.31	1.87	2.08	2.40	37.86
1836..	8.84	3.57	2.90	1.58	1.85	4.33	2.12	1.53	0.54	4.04	5.43	4.13	40.86
1837..	4.10	4.14	3.02	3.07	5.79	2.98	1.80	1.67	0.56	1.58	2.35	2.46	33.52
1838..	3.07	2.77	3.09	2.62	3.32	2.55	1.20	4.26	9.87	5.02	3.95	0.80	42.52
1839..	0.98	3.11	1.18	7.73	4.27	2.25	3.32	5.70	2.00	2.50	1.71	6.35	41.10
1840..	3.12	2.57	4.55	4.60	2.23	2.78	2.93	4.00	2.12	4.48	11.63	4.15	49.16
1841..	6.00	1.60	3.50	8.82	1.90	1.95	2.10	4.20	2.86	3.80	4.55	5.77	47.05
1842..	0.80	3.20	3.35	3.50	2.90	5.30	1.82	4.44	3.25	0.80	4.45	5.30	39.11
1843..	2.20	6.08	6.17	3.88	1.60	4.61	2.15	6.88	0.98	4.82	3.40	3.92	46.69
1844..	3.68	2.42	6.00	0.20	2.72	1.40	2.17	2.62	3.53	5.80	3.15	3.85	37.54
1845..	4.58	4.25	3.83	1.23	2.82	2.05	3.28	1.82	2.23	4.00	10.25	5.98	46.32
1846..	3.12	2.95	2.73	1.23	2.02	2.25	2.51	1.80	1.30	1.35	4.17	4.52	29.95
1847..	3.28	4.70	4.77	2.20	2.03	4.09	2.65	6.45	6.64	1.05	5.12	3.95	46.93
1848..	2.30	3.90	4.05	1.40	6.30	1.73	1.35	3.10	3.55	5.10	2.25	5.95	40.98
1849..	0.35	1.15	7.35	0.90	3.10	1.45	0.85	6.25	1.25	8.10	5.50	4.05	40.30
1850..	4.59	2.52	5.32	4.82	6.63	2.77	2.70	5.30	7.15	2.10	3.32	6.76	53.98
1851..	1.30	4.20	3.88	9.37	3.31	1.80	3.09	1.27	3.50	4.43	5.51	2.65	44.31
1852..	4.85	2.85	4.45	10.18	1.95	2.35	3.28	7.63	1.65	2.19	3.47	3.09	47.94
1853..	2.44	5.30	2.27	3.78	5.63	0.30	3.64	9.40	3.80	3.92	4.43	3.95	48.86
1854..	2.91	4.87	2.84	6.63	4.33	2.47	3.70	0.58	3.86	2.08	6.80	4.64	45.71
1855..	7.22	4.67	1.18	4.28	1.20	3.09	4.15	1.46	1.73	4.61	5.27	5.93	44.19
1856..	5.32	0.80	1.33	4.37	7.10	2.90	4.02	11.11	4.90	2.70	3.33	4.28	52.16
1857..	5.36	2.45	3.09	10.83	5.57	2.02	5.53	7.18	2.56	4.50	2.52	5.26	56.87
1858..	3.28	2.30	2.18	5.18	3.89	8.09	4.56	7.03	5.02	3.03	3.38	4.73	52.67
1859..	5.93	4.05	7.64	3.36	3.63	7.89	1.58	4.72	4.40	3.28	3.75	6.47	56.70
1860..	1.89	3.85	2.19	1.73	2.35	8.01	5.90	4.30	7.35	2.66	5.37	5.86	51.47
1861..	6.04	3.57	7.48	5.89	2.97	3.64	2.76	6.04	1.77	2.66	4.90	2.35	50.06
1862..	8.30	3.29	4.70	1.97	2.70	6.78	7.33	4.20	5.61	4.85	8.32	3.01	61.06
1863..	4.51	4.54	6.42	9.08	2.82	2.56	12.38	5.64	3.12	3.83	6.48	6.34	67.72
1864..	3.87	1.43	11.75	4.72	3.31	1.47	1.90	4.17	2.60	4.80	4.00	5.28	49.30
1865..	4.47	5.08	4.83	2.57	6.90	2.83	4.26	1.42	0.62	6.21	4.46	4.18	47.83
1866..	3.73	5.28	4.70	2.03	5.04	3.41	5.42	3.87	5.90	2.72	3.74	4.86	50.70
1867..	6.06	6.55	6.12	2.52	4.11	2.74	4.76	10.78	0.41	6.76	2.32	2.48	55.64
1868..	6.09	1.88	5.04	6.94	10.38	3.79	1.10	7.53	11.95	1.78	5.31	2.32	64.11
1869..	4.03	9.98	8.74	2.05	6.88	4.44	3.30	2.19	5.18	6.71	3.74	9.04	66.28
1870..	8.16	7.93	4.88	8.42	2.58	7.59	4.01	1.57	0.67	6.80	4.40	3.62	59.73
1871..	0.92	2.63	4.55	3.79	4.34	5.55	3.22	3.08	1.30	5.88	6.42	3.38	45.06
1872..	2.11	2.31	4.05	1.31	3.29	4.84	4.00	10.68	6.04	4.85	3.66	3.09	50.23
1873..	5.76	3.21	3.76	3.83	5.16	0.54	3.84	6.21	2.91	5.33	8.34	5.64	54.53

MONTHLY AND ANNUAL PRECIPITATION—Continued.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Anl.
1874..	4.32	3.41	1.60	7.97	3.71	3.94	3.47	6.67	2.05	1.39	2.85	2.14	43.52
1875..	3.68	3.74	5.04	4.92	3.76	7.25	3.93	3.50	3.12	4.99	5.47	0.75	50.15
1876..	1.87	4.54	7.19	3.61	2.70	1.72	5.86	1.23	3.84	1.66	11.03	3.71	48.96
1877..	3.33	0.45	9.79	4.19	3.38	3.21	2.27	4.49	0.60	8.84	9.62	1.32	51.49
1878..	7.60	4.40	5.91	6.14	1.03	2.28	4.58	7.66	3.47	6.76	8.94	6.76	65.53
1879..	2.79	4.35	3.90	6.58	0.97	6.24	3.09	6.71	1.84	0.91	2.97	4.22	44.57
1880..	3.72	4.11	3.25	2.85	1.63	0.75	6.86	2.90	2.36	3.15	2.30	3.42	37.30
1881..	7.21	4.89	9.86	1.66	4.16	7.79	2.96	1.23	2.50	2.84	3.73	3.80	52.63
1882..	3.68	4.77	3.35	2.50	6.05	1.03	3.91	1.46	10.93	2.29	1.20	2.65	43.82
1883..	3.59	2.74	2.33	2.83	5.11	2.07	2.73	0.39	1.50	6.40	2.08	3.71	35.48
1884..	6.27	5.74	4.60	4.76	3.34	4.01	4.25	5.01	0.31	3.17	3.03	4.46	49.18
1885..	5.33	3.00	1.15	3.30	4.26	3.70	1.44	7.64	1.70	5.71	5.78	2.09	45.10
1886..	7.03	7.04	3.20	1.70	3.08	1.34	1.81	3.64	2.73	3.27	3.59	3.66	42.14
1887..	4.86	3.69	3.36	2.62	1.67	1.98	3.59	3.05	0.97	2.53	2.22	2.71	33.75
1888..	2.26	2.36	3.32	2.04	5.20	2.69	1.79	6.53	6.77	3.58	4.97	4.38	45.89
1889..	4.11	1.54	1.19	3.07	4.15	2.77	5.80	3.95	3.19	3.31	4.91	1.83	39.82
1890..	2.00	2.29	5.55	2.29	4.48	2.21	1.93	2.70	5.04	5.63	0.97	3.72	39.14
1891..	4.39	3.66	3.94	1.71	1.56	3.66	3.73	3.87	2.29	5.56	2.35	3.58	39.70
1892..	4.62	2.15	3.91	0.93	5.15	3.95	2.56	4.87	1.90	2.31	4.45	1.12	37.02
1893..	2.56	6.22	2.80	3.13	5.23	2.20	1.72	6.46	1.59	2.94	1.83	5.16	41.84
1894..	3.01	3.15	1.01	3.78	4.12	0.80	3.09	3.03	2.14	5.11	3.10	4.28	36.62
1895..	3.79	1.11	2.72	3.65	2.71	1.73	2.98	3.24	1.53	6.19	8.07	2.45	40.17
1896..	2.25	3.94	5.41	1.56	1.68	2.71	2.90	2.15	6.40	3.15	3.70	1.70	37.55
1897..	3.16	2.12	2.79	3.17	4.00	4.46	4.22	3.95	2.38	0.41	6.19	3.92	40.77
1898..	3.50	4.81	1.82	6.39	4.33	1.60	4.42	6.38	1.93	7.17	5.32	2.19	49.86
1899..	4.19	3.03	5.95	1.29	0.81	2.86	2.52	2.52	5.09	2.40	2.51	1.52	34.69
1900..	4.20	6.83	4.60	1.90	5.07	1.85	2.69	2.46	4.62	3.41	4.17	2.25	44.05
1901..	1.56	0.66	6.58	7.43	6.31	1.31	5.20	3.25	2.50	3.02	2.41	8.49	48.72
1902..	1.65	4.19	5.29	2.87	1.07	1.77	2.88	2.20	2.08	4.36	1.09	4.48	33.93
1903..	3.43	3.90	5.95	4.43	0.32	7.19	2.99	3.33	2.43	3.95	1.48	2.57	41.97
1904..	4.80	2.49	2.43	9.14	3.58	2.06	1.23	2.19	5.57	2.13	1.70	2.52	39.64
1905..	4.09	1.59	2.25	2.14	1.47	5.23	1.00	3.39	5.10	0.82	1.77	3.23	32.08
1906..	2.96	2.66	5.45	2.15	4.91	2.57	5.38	1.58	2.64	3.88	2.55	3.96	40.69
1907..	2.54	1.88	1.66	3.31	3.12	2.56	1.09	1.10	7.43	2.54	6.02	4.31	37.56
1908..	2.47	2.96	2.97	1.70	3.78	1.08	3.17	4.35	0.68	3.70	0.74	2.47	30.07
1909..	3.94	4.71	3.28	3.92	2.33	4.45	0.97	3.55	5.15	1.07	4.11	3.19	40.67
1910..	4.25	3.44	1.25	2.22	1.02	4.89	1.15	0.98	2.14	1.14	3.75	2.10	28.33
1911..	2.28	2.85	2.98	2.28	0.35	3.67	4.65	4.17	2.95	2.27	4.29	3.07	35.78
1912..	2.87	2.38	4.18	3.07	4.04	0.27	5.16	1.94	1.67	1.00	2.61	5.36	34.55
1913..	2.38	2.99	4.81	4.77	3.22	0.64	2.69	2.86	2.51	6.04	2.15	3.05	38.11
1914..	3.25	3.67	4.16	5.87	2.78	1.40	2.64	3.20	0.21	1.54	2.72	3.46	34.31
1915..	6.33	3.47	T.	1.86	1.64	1.39	8.85	5.63	0.69	2.82	2.14	3.94	38.76
1916..	1.23	5.18	3.20	4.51	2.83	5.04	5.67	2.19	1.90	0.94	1.67	3.00	37.36
1917..	2.82	2.67	3.73	2.72	4.45	4.05	1.10	7.06	1.91	5.33	0.59	2.56	38.99
1918..	3.11	2.30	3.19	3.08	1.99	1.94	2.64	1.56	9.19	0.99	1.20	3.21	34.40
1919..	3.62	2.66	4.11	2.33	4.25	1.08	4.63	5.07	5.83	2.13	5.36	1.63	42.70
1920..	2.72	5.88	3.72	5.68	5.26	5.78	1.56	2.32	1.90	1.64	5.46	3.89	45.81
1921..	2.24	2.64	1.92	4.62	3.64	3.58	11.69	1.63	1.22	1.24	6.19	2.35	42.96
1922..	1.41	2.64	4.35	2.48	5.34	8.05	2.63	4.75	3.66	1.97	0.84	3.01	41.13
1923..	6.07	1.48	2.49	5.26	0.83	2.03	3.36	1.86	0.38	3.37	2.78	4.98	34.89
1924..	3.27	2.61	2.04	3.79	2.81	1.07	2.04	6.86	6.96	0.06	1.93	1.45	34.92
1925..	3.97	1.55	5.21	2.48	2.07	4.59	3.54	1.40	3.45	4.03	3.66	5.20	41.15
1926..	2.53	5.56	2.91	1.73	3.31	1.33	6.66	3.91	1.08	3.58	4.07	3.96	40.03
1927..	2.67	3.28	1.19	1.36	2.50	2.43	4.77	6.73	2.43	3.77	4.71	5.23	41.07
1928..	1.66	2.66	1.56	4.68	3.08	5.56	4.14	2.45	4.47	2.88	1.85	2.61	37.60
1929..	3.82	3.78	2.80	7.52	2.82	2.39	1.35	2.22	0.76	2.38	3.01	4.43	37.19
1930..	2.77	2.23	3.02	2.08	3.39	2.24	3.36	3.03	0.26	5.83	4.09	2.99	35.29
1931..	4.09	4.21	4.66	3.12	4.51	9.13	2.43	4.45	1.67	2.18	0.82	2.90	44.17
1932..	4.24	1.74	5.28	1.67	1.63	2.05	2.10	4.24	4.50	7.18	5.24	1.78	41.65
1933..	2.04	3.77	6.80	7.37	2.74	1.22	2.63	3.41	10.94	3.11	0.65	2.93	47.61
1934..	2.67	4.45	4.04	3.21	1.56	3.11	1.25	1.83	2.69	2.94	1.78	1.64	34.15
1935..	6.13	3.26	1.52	4.77	1.35	5.07	1.10	2.14	5.67	0.34	3.91	0.66	32.94
1936..	6.46	3.66	6.40	3.54	1.70	2.37	1.04	5.15	3.79	2.67	1.33	8.19	46.30
1937..	3.93	1.31	3.57	5.34	2.52	3.47	1.17	4.97	3.69	3.95	4.66	5.09	43.67
1938..	4.91	2.38	2.42	3.22	4.42	6.30	9.46	3.31	6.00	2.43	2.89	2.80	50.54
1939..	2.18	3.79	5.23	4.54	1.29	2.70	0.75	2.14	1.01	4.77	1.14	2.91	32.45
1940..	1.68	4.78	3.83	4.58	3.28	1.80	3.17	0.85	2.32	0.76	6.24	2.76	36.05
M'ns	*3.56	3.31	3.79	3.60	3.13	3.13	3.36	3.67	3.21	3.31	3.59	3.34	41.01
M'ns	†3.64	3.44	3.95	3.79	3.43	3.18	3.49	3.95	3.38	3.45	3.84	3.65	43.18

NOTE.—Bold-faced figures indicate greatest and least monthly and annual amounts. * Computed from the Weather Bureau records of 70 yrs. † Averages 123 yrs.

From 1818 to 1822, Dr. Enoch Hale; from 1823 to 1865, Jonathan P. Hall; from 1866 to 1870, Superintendent of Sewers.

KILLING FROSTS

Year	Latest date in spring	Earliest date in autumn	Year	Latest date in spring	Earliest date in autumn
1872.....	April 23	Nov. 5	1912.....	April 9	Oct. 16
1873.....	Mar. 30	Oct. 9	1913.....	April 10	Nov. 1
1874.....	May 3	Nov. 12	1914.....	April 14	Oct. 28
1875.....	April 22	Oct. 13	1915.....	April 4	Nov. 18
1876.....	April 10	Oct. 12	1916.....	April 9	Nov. 6
1877.....	April 19	Oct. 28	1917.....	April 11	Nov. 5
1878.....	Mar. 26	Nov. 3	1918.....	April 12	Nov. 12
1879.....	April 20	Sept. 26	1919.....	April 26	Oct. 30
1880.....	April 13	Oct. 25	1920.....	April 11	Nov. 11
1881.....	April 15	Oct. 5	1921.....	April 18	Oct. 26
1882.....	May 16	Nov. 3	1922.....	April 21	Oct. 19
1883.....	April 26	Oct. 6	1923.....	April 19	Nov. 1
1884.....	April 22	Oct. 19	1924.....	April 3	Oct. 23
1885.....	April 15	Nov. 1	1925.....	April 21	Oct. 28
1886.....	April 9	Oct. 17	1926.....	April 20	Nov. 5
1887.....	April 19	Oct. 26	1927.....	April 9	Nov. 8
1888.....	April 25	Sept. 30	1928.....	April 17	Oct. 27
1889.....	April 8	Oct. 17	1929.....	April 14	Nov. 22
1890.....	April 19	Oct. 22	1930.....	April 24	Oct. 21
1891.....	May 6	Oct. 25	1931.....	April 12	Nov. 7
1892.....	April 25	Oct. 27	1932.....	April 17	Nov. 4
1893.....	April 26	Oct. 17	1933.....	April 23	Oct. 26
1894.....	April 12	Oct. 16	1934.....	April 5	Oct. 13
1895.....	April 11	Oct. 11	1935.....	April 18	Oct. 8
1896.....	April 9	Oct. 9	1936.....	May 16	Oct. 13
1897.....	April 21	Oct. 31	1937.....	April 23	Oct. 15
1898.....	April 27	Oct. 17	1938.....	April 11	Nov. 16
1899.....	April 6	Oct. 3	1939.....	April 17	Oct. 18
1900.....	May 11	Oct. 20	1940.....	April 22	Oct. 19
1901.....	Mar. 31	Oct. 26			
1902.....	Mar. 26	Oct. 22			
1903.....	April 6	Oct. 22			
1904.....	April 20	Oct. 28			
1905.....	April 19	Oct. 26			
1906.....	April 3	Oct. 12			
1907.....	April 21	Oct. 22			
1908.....	April 21	Nov. 2			
1909.....	April 29	Oct. 20			
1910.....	Mar. 19	Oct. 31			
1911.....	April 18	Oct. 8			

Average date last killing frost in spring, April 16. Latest date, May 16, 1882 and 1936.
Average date first killing frost in autumn, October 24. Earliest, September 26, 1879.

Prevailing Wind Movement

Wind	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
North	per cent of time.. 11	9	8	9	7	6	5	7	9	9	11	10	....
	hourly velocity.. 10	11	10	10	9	9	8	8	8	9	10	11	....
Northeast	per cent of time.. 4	6	7	11	11	9	6	6	7	8	6	4	....
	hourly velocity.. 11	10	10	9	8	8	6	7	8	8	8	9	....
East	per cent of time.. 4	6	10	14	17	16	13	15	12	8	5	4	....
	hourly velocity.. 11	9	9	10	8	8	6	7	7	7	10	9	....
Southeast	per cent of time.. 4	4	6	5	6	5	5	7	6	5	4	4	....
	hourly velocity.. 8	8	8	8	8	7	6	6	7	7	10	8	....
South	per cent of time.. 6	7	8	7	10	9	9	9	9	9	7	6	....
	hourly velocity.. 9	8	11	11	10	9	9	8	10	9	10	10	....
Southwest	per cent of time.. 20	15	17	16	20	25	30	24	23	20	21	20	....
	hourly velocity.. 11	10	10	11	9	10	9	9	9	10	10	10	....
West	per cent of time.. 29	29	23	20	17	20	21	19	18	22	25	30	....
	hourly velocity.. 12	12	12	12	10	10	8	9	9	10	11	12	....
Northwest	per cent of time.. 22	24	21	18	12	10	11	13	16	19	21	22	....
	hourly velocity.. 12	12	12	11	10	8	8	8	9	10	10	11	....
Prevailing direction.....	w.	w.	w.	w.	sw.	sw.	sw.	sw.	sw.	w.	w.	w.	w.
Average hourly velocity.....	11	12	12	11	10	10	9	9	9	10	11	11	10

Based on 24 years records: anemometer elevation 183 feet above ground.

Daily Maximum Temperature, 1940

Date	January	February	March	April	May	June	July	August	September	October	November	December
1.....	25	37	33	52	73	73	70	73	81	55	50	48
2.....	25	30	34	47	61	83	76	70	79	63	55	32
3.....	34	29	43	43	71	88	74	81	82	62	57	31
4.....	30	34	35	40	58	74	64	84	77	58	64	32
5.....	30	37	38	50	59	85	73	85	73	65	71	35
6.....	25	39	43	53	73	82	75	85	67	69	58	27
7.....	23	43	40	51	75	68	85	77	60	74	46	51
8.....	54	42	40	46	71	68	90	80	73	67	49	49
9.....	28	37	45	59	59	69	91	83	65	64	51	37
10.....	34	37	35	56	62	54	88	80	73	59	50	50
11.....	33	45	31	58	67	64	76	76	65	69	55	42
12.....	35	47	31	55	59	70	62	85	69	76	65	42
13.....	37	37	41	52	67	90	71	84	71	77	48	52
14.....	37	32	42	42	68	79	75	75	69	70	45	32
15.....	52	35	44	52	61	81	83	73	66	77	49	45
16.....	34	34	36	47	73	69	75	78	64	47	48	40
17.....	18	43	40	42	63	75	76	86	74	52	44	42
18.....	22	42	37	40	64	77	76	80	81	53	42	36
19.....	22	36	39	63	75	83	84	83	75	45	46	39
20.....	22	34	46	47	75	69	83	73	76	48	53	46
21.....	29	36	41	39	57	61	77	68	86	43	55	46
22.....	32	28	36	39	54	63	73	69	76	46	63	41
23.....	28	36	25	48	50	76	80	73	76	63	47	38
24.....	28	33	29	47	49	64	80	67	77	69	46	45
25.....	28	43	31	55	50	55	85	70	70	55	40	58
26.....	26	26	43	50	56	69	95	69	56	54	35	41
27.....	25	27	36	50	75	76	93	76	66	45	35	42
28.....	26	28	41	56	67	77	80	69	69	45	34	44
29.....	33	37	50	62	57	79	82	69	66	52	36	41
30.....	31	.....	60	75	67	76	95	71	57	47	39	50
31.....	35	.....	60	.....	60	.....	90	83	.....	52	.....	44
Mean	29.6	36.0	39.5	50.6	63.7	73.5	79.9	76.6	71.3	53.7	49.5	41.9

Maximum temperature for year 95°, July.

Daily Minimum Temperature, 1940

Date	January	February	March	April	May	June	July	August	September	October	November	December
1.....	14	20	24	38	50	56	56	63	65	45	35	26
2.....	16	20	15	34	55	57	55	58	65	51	43	16
3.....	18	16	29	33	52	62	56	57	66	52	45	6
4.....	19	17	32	35	45	58	56	60	62	46	42	2
5.....	16	23	32	34	47	63	57	68	59	43	50	24
6.....	13	25	34	33	47	66	59	70	52	52	42	15
7.....	9	33	34	36	52	58	61	66	50	58	38	24
8.....	17	31	29	39	50	57	67	63	50	56	36	36
9.....	18	28	28	44	47	54	67	63	57	50	34	25
10.....	15	27	20	40	45	50	68	64	61	44	34	25
11.....	17	34	17	34	44	53	62	62	54	43	44	31
12.....	29	32	14	43	43	60	57	62	52	52	46	31
13.....	34	23	17	28	43	66	58	67	53	57	43	24
14.....	34	23	28	26	54	60	58	64	53	51	41	20
15.....	34	22	30	30	52	59	61	58	54	42	43	22
16.....	12	20	27	40	52	60	60	60	55	35	34	29
17.....	9	21	27	36	56	57	63	62	53	37	32	20
18.....	10	25	25	37	49	56	63	67	60	35	34	20
19.....	10	32	32	40	51	60	68	65	60	31	32	25
20.....	8	32	32	36	50	52	68	58	57	33	39	32
21.....	13	22	30	34	48	48	65	54	66	32	38	39
22.....	15	18	24	32	48	46	64	55	60	28	46	36
23.....	10	20	16	38	47	54	65	59	55	37	40	23
24.....	18	21	14	37	46	52	66	51	60	47	40	21
25.....	18	18	18	40	46	52	67	46	46	42	23	34
26.....	15	12	25	38	47	52	69	56	42	37	21	31
27.....	11	10	27	36	56	54	70	52	42	34	25	39
28.....	13	22	32	41	48	57	67	54	48	31	21	39
29.....	13	20	35	39	47	62	69	55	48	32	17	39
30.....	16	.....	41	44	47	60	71	61	48	40	30	40
31.....	14	.....	41	.....	50	.....	66	69	.....	41	.....	35
Mean	16.4	23.2	26.7	36.5	48.8	56.7	63.2	60.3	55.3	42.4	36.3	26.7

Minimum temperature for year 2°, December.

Daily Precipitation, 1940

Day	January	February	March	April	May	June	July	August	September	October	November	December
1.....					T.	.01	.02		.01	T.		*.07
2.....		*.01			.10				.14	T.	1.32	*.T.
3.....			T.	T.	.10		.02			.11	T.	*.T.
4.....			1.21	.41	.32		1.48					*.12
5.....	*.01		.54	.02	.02	T.	T.		T.			*.13
6.....	*.01	*.15	*.06		T.				.13		.06	
7.....		.04	*.T.					.09	T.		T.	
8.....	*.03			.44		T.				.04		.07
9.....				.16		.45	.17		.06	.01		
10.....		*.54				.15			.21			
11.....	*.T.	.31					.21		.18		T.	
12.....	*.21			.50		.01	.27		.08		.96	*.T.
13.....	*.01			*.73		.04	T.	T.			.65	.08
14.....	*.34	*1.35									.94	
15.....	*.97	*.44	1.00	T.		.01				.08	.85	
16.....				T.	T.		.04		.24		.01	1.02
17.....			*.T.	.01	.09			T.	T.	.06	*.T.	*.02
18.....				.36						.01		
19.....	*.07	*1.16	.28			.11		.02				
20.....		*.64	*.10	.82	T.		.01	.16	T.			.04
21.....	*.T.	*.10		*.84	.10	T.	.23		.15	*.T.		
22.....	*.T.		*.07	*.25	.17		.02		.01		.01	*.02
23.....					.27			.48			.06	*.T.
24.....	*.01	*.T.			.12	.20			T.	T.	.01	
25.....	*.02	*.01		.02	.15	.39			1.11	.01	*.T.	
26.....				.02	.12	.22	.04			T.	*.T.	T.
27.....		*.T.	*.T.	T.	T.	T.					*1.23	.01
28.....		*.03	*.02		.34	.11					*.02	.66
29.....		*.T.	.02		.05	.09	T.	.03			*.03	.24
30.....			.48			.01	.66	.06		.07	*.09	.28
31.....			.05		1.33			.01		.37		
Total.....	1.68	4.78	3.83	4.58	3.28	1.80	3.17	0.85	2.32	0.76	6.24	2.76

T. indicates a trace. *Wholly or partly snow.

Daily Cloudiness, 1940

[Daylight hours; scale 0 to 10]

Day	January	February	March	April	May	June	July	August	September	October	November	December
1.....	3	6	7	4	6	7	8	7	7	10	5	9
2.....	0	10	2	4	10	5	3	3	8	8	10	4
3.....	5	7	8	3	8	1	4	1	1	7	6	1
4.....	0	3	10	10	9	4	10	1	3	4	1	5
5.....	9	6	10	7	9	8	6	3	4	1	10	10
6.....	3	8	9	3	7	4	1	3	4	6	9	3
7.....	0	10	10	2	3	3	0	8	9	2	9	8
8.....	10	3	6	10	4	10	3	1	2	10	6	9
9.....	1	5	1	10	6	10	5	1	10	7	1	4
10.....	9	10	5	1	1	10	2	2	10	0	9	9
11.....	5	7	0	5	7	10	8	5	10	2	9	4
12.....	10	4	0	10	8	10	10	5	5	4	10	10
13.....	10	6	0	9	3	8	7	9	4	4	10	9
14.....	10	10	7	4	6	0	1	3	0	0	10	3
15.....	9	8	10	3	2	10	2	1	7	7	10	5
16.....	2	1	6	10	9	0	6	5	10	3	10	10
17.....	2	0	5	9	9	6	7	6	9	9	4	9
18.....	8	8	2	10	4	4	7	7	2	5	9	1
19.....	6	10	10	6	4	7	3	9	7	3	0	1
20.....	10	10	5	10	6	1	8	7	3	4	9	10
21.....	3	10	3	10	10	4	7	1	8	5	1	10
22.....	7	0	10	10	10	3	8	2	0	0	6	10
23.....	1	3	2	10	10	1	6	8	1	2	10	8
24.....	10	10	0	9	10	8	7	2	7	0	10	1
25.....	8	9	3	7	10	10	7	3	10	9	3	1
26.....	2	0	2	4	10	9	8	6	1	6	4	10
27.....	1	6	9	8	7	5	5	4	0	6	10	10
28.....	2	10	4	1	9	5	4	8	0	0	1	10
29.....	0	0	9	4	6	7	6	3	0	0	10	10
30.....	5		10	8	4	3	7	8	8	10	4	9
31.....	0		7		10		3	7		5		7
Mean.....	4.9	6.2	5.5	6.7	7.0	5.8	5.5	4.5	5.0	4.5	6.9	6.8

Note.—Clear (0 to 3). Partly cloudy (4 to 7). Cloudy (8 to 10).

THIRD FLOOR

U542

Kirchheim Business Library

JAN 20 1942

U S DEPARTMENT OF COMMERCE
WEATHER BUREAU

C30

.16

:B74

941

ANNUAL METEOROLOGICAL SUMMARY

WITH COMPARATIVE DATA

1941

BOSTON, MASS.

COMPILED BY
G. H. NOYES

BOSTON, MASS.

1942

W. B. Boston-1-16-42-1500

SUMMARY FOR YEAR 1941, BOSTON, MASS.

Month.	Temperature.				Relative humidity (per cent).			Precipitation.				Sun-shine		Wind.			Number of days.										Max. temp.		Min. temp.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	Mean.		Extremes.		7:30 a. m. 1:30 p. m. 7:30 p. m.			Total. Greatest in 24 hours.		Date. Snowfall.		Number of hours. Percent of possible.		Average hourly ve- locity.		Prevailing direction.		Velocity. Direction.		Highest. Date.		Clear.		Partly cloudy.		Cloudy.		With precipitation (.01 in. or more).		Snow melted.) (.01 in. or more).		Thunderstorms.		Dense fog.		32° or below.		90° or above.		32° or below.		0° or below.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
		Maximum.	Minimum.	Monthly.	Highest.	Lowest.	Date.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								

Elevation of instruments above ground: thermometers, 33 feet; rain-gage, 3 feet; anemometer 62 feet.

Monthly and Annual Mean Temperatures

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.	Dec.	Ann.
1840..	20.0	30.8	34.4	48.4	55.6	66.2	71.8	70.3	59.9	49.5	36.6	24.7	47.4
1841..	27.9	22.3	33.1	41.1	53.2	67.4	69.8	68.5	62.3	44.6	36.4	30.0	46.4
1842..	27.2	31.6	37.4	44.4	51.7	62.6	72.7	67.5	58.2	47.9	34.8	23.5	46.6
1843..	29.7	16.8	25.4	43.5	54.5	64.2	69.2	69.9	60.6	47.5	34.3	26.9	45.2
1844..	15.4	24.6	33.8	48.4	57.4	65.1	68.2	67.8	64.0	45.5	34.3	27.0	46.0
1845..	27.2	27.6	36.2	46.3	56.6	68.1	72.1	71.3	60.2	51.8	44.3	25.6	48.9
1846..	27.4	21.3	38.2	49.5	55.8	65.0	71.6	70.2	66.7	51.2	43.2	27.4	49.0
1847..	26.4	25.9	30.8	42.0	53.4	64.7	73.0	68.1	61.0	47.7	44.1	34.8	47.7
1848..	29.1	24.7	32.2	45.5	57.8	64.8	70.2	69.6	58.6	49.8	36.2	34.4	47.7
1849..	21.0	18.4	35.8	43.5	52.5	67.7	71.6	69.2	60.0	49.2	45.0	28.9	46.9
1850..	27.2	29.4	32.6	42.4	51.4	67.2	71.6	67.0	61.0	51.4	41.0	25.2	47.3
1851..	25.5	29.9	36.2	44.5	55.5	64.8	71.4	68.0	61.1	52.9	34.8	22.9	47.3
1852..	20.8	27.4	32.9	41.0	56.8	67.4	72.4	66.6	62.1	50.4	38.3	35.0	47.6
1853..	25.8	29.2	35.8	45.1	56.4	66.8	70.6	67.5	61.2	47.8	39.6	26.4	47.7
1854..	23.9	23.5	32.4	42.3	58.7	65.6	74.4	68.4	61.5	52.5	41.2	24.4	47.4
1855..	28.4	20.2	32.3	44.1	53.4	65.5	72.2	67.3	61.4	51.5	40.0	28.6	47.1
1856..	16.8	20.9	27.0	44.0	52.6	68.1	72.7	67.2	63.0	51.1	38.7	24.0	45.5
1857..	15.2	33.6	32.9	41.8	54.7	63.4	71.6	68.2	62.0	51.3	41.3	33.2	47.4
1858..	30.9	22.2	31.6	45.2	52.9	67.8	69.9	66.6	61.8	53.0	35.3	28.0	47.1
1859..	25.4	28.5	38.6	42.9	58.1	64.2	69.7	68.0	58.8	46.5	42.0	24.4	47.3
1860..	27.7	25.8	38.4	44.2	56.1	65.4	68.1	69.5	59.7	50.8	43.4	26.6	48.0
1861..	23.0	32.6	35.0	44.3	54.5	65.9	71.9	67.6	62.0	54.2	38.4	30.6	48.3
1862..	22.9	22.7	32.7	44.0	58.3	63.6	69.3	70.1	60.1	53.0	40.0	27.6	47.0
1863..	28.8	25.1	27.2	44.2	59.1	65.3	73.2	73.2	60.3	51.9	42.3	25.7	48.0
1864..	25.0	27.4	34.4	42.1	56.4	67.8	73.6	73.3	60.1	47.8	39.6	27.4	47.9
1865..	16.8	24.2	37.9	49.6	58.1	73.1	73.4	71.1	66.7	48.2	40.2	29.6	49.1
1866..	22.4	27.9	32.8	47.8	53.4	66.1	74.4	65.5	62.0	49.6	41.6	27.2	47.6
1867..	18.6	32.2	30.8	44.7	53.1	66.9	69.2	70.4	60.0	50.9	38.7	23.1	46.6
1868..	22.0	20.1	32.3	42.1	50.8	64.2	73.6	69.7	59.9	46.4	36.5	25.6	45.3
1869..	27.9	28.9	26.6	43.6	54.0	64.2	70.8	67.6	62.3	48.7	36.4	28.4	46.6
1870..	32.7	24.5	30.0	46.6	57.6	68.5	72.9	71.8	62.7	53.3	41.1	32.6	49.5
M'ns.	24.5	25.8	33.2	44.5	55.2	66.1	71.5	68.9	61.3	49.9	39.3	27.7	47.3

These temperature records were made at the Astronomical Observatory of Harvard College, which is located on Concord Avenue and Bond Street, Cambridge, Mass., about three miles from the Weather Bureau station in Boston, Mass.

MISCELLANEOUS DATA FOR 1941.

Barometric Pressure (reduced to sea level).—Mean, 29.96 inches, 1014.6 millibars; highest, 30.63 inches, 1037.3 millibars; December 12; lowest, 28.86 inches, 977.3 millibars, Feb. 8.

Temperature.—Greatest monthly range, 57°, April; least monthly range, 39°, July. Highest mean temperature of three consecutive days, 83°, June 20–22; lowest mean temperature of three consecutive days, 15°, January 13–15.

Precipitation.—Longest period without precipitation, 19 days, September 12–30; longest period with precipitation, 6 days, July 27 – August 1. Greatest amount in 24 consecutive hours, 2.12 inches, December 13–14. Maximum amount in 5 minutes, 0.38 inch, June 29; 10 minutes, 0.55 inch, June 29; 15 minutes, 0.68 inch, June 29; 30 minutes, 0.63 inch, June 29; 1 hour, 0.97 inch, June 29.

Frost.—Last killing frost in spring, April 12. First killing frost in autumn, October 26.

Snow.—Greatest snowfall in 24 hours, 12.0 inches, January 24–25. Greatest depth of snow on ground, 12.0 inches, January 25. Last snow in spring occurred on March 29; first in autumn occurred on October 26.

Thunderstorms.—First thunderstorm occurred on May 8; last thunderstorm occurred on September 1.

Monthly and Annual Mean Temperatures

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	An'l
1871...	26.0	28.6	41.5	47.0	57.9	65.9	70.8	71.7	59.3	54.0	36.6	27.9	48.9
1872...	27.4	28.1	26.0	46.6	59.4	68.9	75.6	73.0	64.5	51.8	40.6	23.2	48.8
1873...	25.1	26.3	33.9	45.0	56.8	67.3	72.9	69.8	62.8	53.5	33.4	32.0	48.2
1874...	30.5	27.0	34.4	33.8	55.4	66.0	72.6	68.0	64.4	53.2	41.6	31.3	48.6
1875...	20.1	22.3	31.4	42.6	57.9	66.7	72.1	71.0	60.6	50.2	35.0	29.6	46.6
1876...	30.7	27.4	33.4	43.9	54.6	68.8	74.0	70.2	59.9	48.2	41.4	22.2	47.9
1877...	24.3	34.2	34.9	44.2	55.0	66.8	71.1	72.2	65.2	52.0	44.2	36.4	50.1
1878...	28.0	30.6	39.6	48.2	56.5	64.6	73.7	69.7	64.2	56.1	40.8	30.3	50.2
1879...	24.2	24.6	33.6	42.4	60.2	64.8	70.8	69.3	62.0	57.6	38.8	32.3	48.4
1880...	34.6	31.8	33.2	46.4	63.7	68.6	71.8	70.8	65.2	52.2	38.2	26.7	50.3
1881...	22.0	27.9	37.2	43.6	56.6	61.7	70.2	71.4	67.6	54.4	43.6	39.0	49.6
1882...	26.0	30.4	36.0	42.8	50.6	66.8	73.2	71.5	64.0	55.4	39.0	30.4	48.8
1883...	24.4	28.8	30.8	45.2	56.5	70.1	71.7	68.2	59.8	47.7	42.8	29.1	47.9
1884...	24.1	31.2	34.2	43.8	54.8	67.2	68.6	69.7	66.9	52.6	41.4	33.8	49.0
1885...	27.4	20.6	27.6	47.2	53.2	66.8	71.8	67.8	60.1	51.6	44.0	32.7	47.6
1886...	25.8	26.6	33.3	48.6	56.8	63.2	71.2	68.2	63.1	52.0	43.2	28.4	48.4
1887...	25.0	28.7	31.5	44.2	59.6	65.2	74.6	67.6	59.8	51.5	42.2	32.4	48.5
1888...	20.1	28.3	32.2	42.6	53.0	66.8	68.8	70.2	59.8	47.8	43.8	34.6	47.3
1889...	35.8	26.0	38.2	47.8	60.3	69.2	69.4	67.4	62.8	48.5	44.6	38.0	50.7
1890...	32.4	33.2	34.9	46.3	57.0	64.2	71.0	68.9	62.9	51.0	41.8	26.0	49.1
1891...	31.1	32.0	33.6	48.0	55.8	65.0	69.0	70.0	66.7	51.6	41.4	40.4	50.4
1892...	28.3	28.4	32.9	48.4	55.9	69.6	73.0	70.2	62.5	52.7	41.2	29.9	49.4
1893...	20.7	26.8	32.8	44.4	56.3	64.8	71.4	69.6	60.0	54.8	42.2	30.4	47.9
1894...	30.1	26.6	42.5	47.0	57.6	68.8	73.7	68.0	64.8	54.0	38.2	32.2	50.3
1895...	28.8	24.6	34.6	46.0	60.2	66.8	69.3	71.0	65.7	49.6	45.4	35.6	49.8
1896...	24.9	28.7	32.0	47.2	60.3	66.1	71.8	70.7	62.2	50.2	46.5	39.4	49.2
1897...	28.4	30.9	36.9	49.0	57.6	62.3	71.6	69.6	63.1	54.4	41.4	34.0	49.9
1898...	28.7	32.8	42.8	43.8	55.8	65.8	71.8	73.1	66.2	54.2	42.0	32.0	50.8
1899...	29.0	26.8	34.0	48.1	57.8	70.0	72.6	68.8	62.0	54.5	42.1	36.2	50.2
1900...	30.0	29.3	31.0	48.6	55.2	68.6	73.8	71.1	65.0	56.6	44.6	34.4	50.8
1901...	27.6	24.2	36.2	43.5	54.3	68.2	73.4	70.7	65.4	54.4	37.2	32.4	49.0
1902...	26.6	28.8	43.4	48.4	57.6	64.3	67.8	67.6	62.6	53.6	46.2	28.5	49.6
1903...	26.8	31.4	44.4	47.8	58.5	59.8	71.4	65.0	64.4	53.9	40.0	29.0	49.4
1904...	21.6	22.6	31.6	44.6	60.8	64.0	71.4	68.7	62.5	50.6	38.2	25.8	47.1
1905...	25.1	23.4	37.2	46.8	57.6	65.2	73.2	68.6	62.0	53.6	41.6	35.1	49.1
1906...	35.7	29.7	32.4	47.2	58.0	66.4	70.1	72.0	65.0	52.5	41.7	29.1	50.0
1907...	27.0	21.6	37.9	43.4	52.4	65.1	72.4	69.6	64.4	49.8	43.2	37.2	48.7
1908...	31.0	26.8	38.6	46.8	59.0	69.8	74.1	69.4	65.8	55.4	43.6	33.3	51.2
1909...	30.3	32.6	36.8	47.8	55.8	69.4	71.5	69.4	62.6	52.8	46.4	30.8	50.5
1910...	32.0	29.5	42.0	51.6	57.6	65.2	74.9	68.8	62.8	56.0	41.2	27.5	50.8
1911...	31.8	27.0	35.4	46.1	62.4	65.6	77.1	69.0	62.6	52.6	41.8	39.4	50.9
1912...	21.4	27.7	36.0	47.4	58.6	68.0	73.2	69.0	63.7	57.4	45.6	38.5	50.5
1913...	39.2	27.7	42.4	48.0	55.2	67.5	73.8	70.8	62.0	56.4	46.5	37.8	52.3
1914...	28.7	24.3	36.7	45.3	60.4	67.3	68.6	70.4	64.6	57.0	42.7	30.4	49.7
1915...	33.0	33.2	35.8	50.8	56.6	63.9	70.1	69.1	66.8	55.7	45.4	34.2	51.2
1916...	33.0	25.5	30.6	45.6	58.6	62.6	72.6	71.8	65.0	55.5	42.6	32.6	49.7
1917...	30.2	25.8	37.2	44.0	50.7	65.8	73.3	72.8	60.2	51.9	39.4	23.7	47.9
1918...	21.0	26.9	30.7	47.8	63.3	63.9	71.0	70.4	61.2	56.2	45.0	34.7	49.8
1919...	33.2	32.6	40.8	46.9	59.1	67.2	74.0	68.8	63.9	55.1	42.8	28.7	51.1
1920...	21.0	27.6	39.2	45.0	54.6	65.8	72.4	72.0	65.2	59.8	41.7	35.6	50.0
1921...	32.1	32.6	46.2	51.8	58.0	68.2	73.2	69.8	68.5	55.2	41.6	31.4	52.4
1922...	27.2	32.0	39.8	43.7	61.4	68.6	72.0	70.4	65.2	55.1	43.8	30.9	51.3
1923...	27.0	23.4	33.9	48.2	57.6	69.3	70.0	69.4	64.2	55.5	44.6	40.4	50.3
1924...	31.9	26.6	37.4	47.2	56.2	66.6	73.8	71.8	62.2	54.6	44.6	31.1	50.3
1925...	27.2	38.0	43.0	49.8	57.4	70.9	72.4	71.2	64.0	49.3	43.6	33.6	51.7
1926...	31.0	27.8	34.2	44.8	56.0	64.3	70.5	70.4	62.4	53.4	44.2	28.6	49.0
1927...	30.6	32.6	41.6	48.3	55.2	65.0	72.2	67.4	65.0	57.9	49.6	36.0	51.8
1928...	33.0	29.6	37.0	46.8	55.4	65.0	73.2	73.6	62.4	56.6	44.8	38.5	51.4
1929...	29.0	31.7	41.4	47.1	61.0	68.4	72.6	69.3	65.2	53.2	44.7	32.6	51.4
1930...	31.8	34.1	38.3	47.6	59.4	72.4	72.6	70.5	69.4	53.0	45.0	33.2	52.3
1931...	30.6	30.6	39.3	50.2	60.3	67.2	74.0	72.2	66.9	58.5	49.4	36.6	53.0
1932...	34.8	30.6	35.6	47.4	60.2	66.4	72.8	74.0	65.2	57.1	42.8	38.1	52.4
1933...	37.8	33.7	35.7	46.5	61.6	69.6	70.8	71.8	65.8	52.7	38.3	26.8	50.9
1934...	29.6	17.5	35.1	48.0	60.6	66.9	73.2	67.3	61.6	49.6	45.6	28.4	48.9
1935...	23.2	27.8	38.4	45.2	55.5	65.5	72.6	70.7	61.4	53.8	45.4	27.1	48.9
1936...	28.2	22.8	41.8	45.2	60.6	66.2	71.1	69.7	62.6	54.4	39.5	35.0	49.7
1937...	37.4	33.2	34.1	45.2	59.1	66.4	73.2	74.6	63.0	52.6	44.0	31.2	51.2
1938...	28.0	30.6	39.1	48.7	55.8	67.2	71.8	73.6	62.2	56.0	46.4	34.0	51.1
1939...	27.8	32.2	33.2	43.6	56.4	65.6	72.3	73.8	64.5	54.2	40.8	33.4	49.8
1940...	23.0	29.6	33.1	43.6	56.2	65.1	71.6	68.4	63.3	50.6	42.9	34.3	48.5
1941...	25.2	29.4	33.4	51.6	59.8	68.2	71.4	70.6	66.0	55.9	48.0	35.2	51.2
M'ns	28.5	28.5	36.3	46.5	57.5	66.6	72.1	70.2	63.7	53.6	42.6	32.3	49.9

NOTE.—Bold-face figures indicate highest and lowest monthly means.

BOSTON, MASS.
 MAXIMUM TEMPERATURE FOR EACH DAY OF YEAR
 RECORD EXTENDS FROM MARCH 1, 1872 TO DECEMBER 31, 1941

Date	January		February		March		April		May		June		July		August		September		October		November		December		Date
	Max.	Year	Max.	Year	Max.	Year	Max.	Year	Max.	Year	Max.	Year	Max.	Year	Max.	Year	Max.	Year	Max.	Year	Max.	Year	Max.	Year	
1..	70	1876	57	1916	62	1902	76	1918	89	1899	95	1937	98	1872	98	1917	96	1881	90	1881	74	1927	67	1908	...1
2..	66	1890	55	1933	59	1874	75	1918	91	1930	96	1895	96	1911	98	1917	94	1929	85	1922	77	1929	65	1932	...2
3..	62	1913	53	1877	69	1874	77	1892	85	1878	98	1919	102	1911	98	1930	97	1929	85	1922	77	1929	65	1932	...3
4..	60	1932	56	1914	62	1880	72	1923	88	1880	96	1925	104	1911	96	1928	94	1884	85	1898	74	1903	62	1873	...4
5..	60	1909	64	1890	72	1880	84	1928	86	1919	96	1919	101	1911	95	1928	93	1880	87	1922	72	1938	59	1916	...5
6..	62	1913	57	1909	70	1894	82	1928	90	1930	100	1925	101	1911	97	1931	92	1880	85	1910	73	1938	65	1912	...6
7..	63	1930	56	1925	68	1876	84	1929	95	1930	92	1925	96	1883	98	1924	102	1881	86	1912	77	1938	66	1932	...7
8..	64	1930	56	1933	63	1878	84	1929	87	1895	93	1933	99	1937	95	1916	95	1872	88	1879	74	1938	65	1927	...8
9..	64	1937	59	1925	68	1921	77	1921	90	1889	92	1922	99	1912	95	1872	90	1897	*81	1932	71	1881	64	1924	...9
10..	53	1929	59	1898	71	1878	85	1922	94	1896	*90	1933	101	1880	95	1896	95	1931	87	1939	78	1931	64	1907	...10
11..	61	1924	58	1925	65	1927	75	1887	90	1895	93	1894	100	1911	95	1900	95	1931	81	1914	*66	1935	68	1911	...11
12..	61	1913	55	1925	63	1902	68	1915	84	1908	95	1933	97	1908	94	1907	89	1900	88	1928	76	1919	68	1911	...12
13..	63	1932	60	1900	63	1927	84	1896	85	1930	94	1892	97	1894	93	1881	88	1877	87	1930	69	1885	62	1923	...13
14..	69	1932	59	1884	63	1927	79	1938	88	1908	96	1892	95	1873	96	1918	*92	1931	81	1923	68	1902	66	1881	...14
15..	65	1932	61	1939	66	1913	82	1896	93	1900	95	1891	96	1883	94	1938	94	1915	86	1897	70	1902	63	1918	...15
16..	57	1890	60	1910	71	1935	79	1896	93	1932	96	1901	95	1900	95	1928	96	1939	88	1897	76	1927	56	1928	...16
17..	59	1913	60	1883	66	1935	73	1918	84	1903	95	1894	95	1900	96	1913	91	1915	80	1923	76	1928	60	1928	...17
18..	60	1915	63	1880	68	1934	85	1896	91	1936	94	1929	97	1900	94	1884	90	1906	80	1908	69	1927	61	1928	...18
19..	61	1915	58	1930	72	1903	87	1914	85	1903	96	1923	96	1878	92	1906	88	1882	79	1910	72	1921	64	1899	...19
20..	58	1907	68	1930	77	1921	*89	1941	90	1933	97	1913	95	1894	98	1937	87	1882	78	1923	71	1913	61	1895	...20
21..	68	1906	63	1906	83	1921	87	1923	93	1921	95	1923	98	1926	98	1926	94	1895	82	1920	74	1931	60	1923	...21
22..	66	1916	57	1912	69	1929	78	1926	*92	1941	95	1941	103	1926	92	1939	94	1895	78	1920	74	1931	58	1902	...22
23..	68	1906	63	1930	78	1938	85	1908	90	1941	96	1888	98	1918	96	1880	96	1895	80	1900	77	1931	64	1891	...23
24..	60	1906	67	1930	80	1920	82	1885	91	1936	94	1882	98	1933	94	1898	87	1914	80	1900	72	1931	59	1900	...24
25..	59	1916	65	1930	78	1910	81	1897	91	1932	*94	1923	96	1882	93	1909	93	1899	75	1899	68	1931	65	1889	...25
26..	66	1916	56	1911	79	1922	85	1872	91	1880	92	1923	96	1892	97	1900	95	1881	74	1899	67	1931	60	1915	...26
27..	62	1916	61	1880	74	1914	84	1935	96	1880	96	1941	98	1882	91	1881	86	1916	76	1920	72	1896	60	1895	...27
28..	63	1916	62	1903	73	1921	89	1938	92	1931	97	1901	97	1931	92	1877	90	1881	79	1918	64	1916	60	1907	...28
29..	56	1887	64	1880	76	1910	83	1903	*94	1931	99	1923	*97	1933	92	1880	83	1884	81	1918	68	1916	60	1901	...29
30..	63	1914	.....	.....	71	1907	83	1903	96	1929	94	1872	*98	1933	93	1881	83	1927	78	1918	68	1881	62	1884	...30
31..	62	1913	.....	.....	70	1936	.....	.....	*93	1937	.....	.....	98	1917	97	1881	.....	.....	76	1896	.....	.....	65	1932	...31

* Has occurred on previous dates also.

BOSTON, MASS.
MINIMUM TEMPERATURE FOR EACH DAY OF YEAR
RECORD EXTENDS FROM MARCH 1, 1872 TO DECEMBER 31, 1941

Date	January		February		March		April		May		June		July		August		September		October		November		December		Date
	Min.	Year	Min.	Year	Min.	Year	Min.	Year	Min.	Year	Min.	Year	Min.	Year	Min.	Year	Min.	Year	Min.	Year	Min.	Year	Min.	Year	
1..	-3	1918	-7	1920	-1	1886	13	1923	33	1880	44	1876	51	1885	54	1891	50	1887	38	1888	26	1885	0	1875	....1
2..	-3	1899	-5	1881	0	1886	19	1919	33	1874	42	1884	51	1883	56	1929	49	1896	34	1899	26	1879	0	1876	....2
3..	-1	1904	-5	1881	9	1938	23	1894	31	1882	44	1915	51	1914	55	1927	47	1893	35	1899	27	1875	0	1890	....3
4..	-4	1910	-2	1886	* 8	1938	19	1879	33	1911	44	1881	53	1914	52	1900	43	1872	34	1883	21	1879	4	1906	....4
5..	-3	1910	-10	1918	-4	1872	11	1874	35	1907	45	1891	52	1933	56	1907	48	1896	28	1881	17	1879	4	1926	....5
6..	-10	1896	-6	1895	-8	1872	20	1881	33	1891	46	1895	50	1879	52	1881	43	1888	31	1883	21	1879	9	1901	....6
7..	-2	1896	-5	1875	-2	1872	22	1882	38	1900	*45	1932	52	1902	55	1885	43	1888	30	1883	25	1884	4	1906	....7
8..	-6	1878	-12	1934	8	1883	21	1888	38	1882	42	1932	55	1909	52	1903	48	1903	36	1883	25	1921	-4	1902	....8
9..	-3	1887	-16	1934	9	1885	24	1876	39	1917	47	1923	53	1909	53	1899	47	1883	32	1873	26	1887	-8	1902	....9
10..	-1	1875	-5	1875	9	1923	26	1917	34	1902	45	1881	53	1890	55	1910	41	1883	33	1923	*27	1933	-1	1902	....10
11..	-4	1893	-4	1899	9	1939	25	1909	33	1900	46	1881	54	1890	54	1879	40	1917	32	1881	24	1901	-2	1876	....11
12..	-10	1886	-11	1914	7	1900	20	1874	33	1907	46	1906	54	1886	56	1913	43	1875	31	1876	25	1926	7	1934	....12
13..	-9	1914	-3	1914	3	1885	20	1874	33	1882	46	1881	*56	1933	53	1902	45	1911	30	1875	14	1883	4	1898	....13
14..	-8	1914	-3	1934	12	1896	26	1940	37	1895	46	1875	55	1937	52	1882	40	1884	31	1875	16	1905	0	1898	....14
15..	3	1920	-2	1875	*12	1932	*30	1940	38	1882	44	1884	54	1929	54	1905	41	1913	31	1876	17	1933	-2	1874	....15
16..	-5	1920	-4	1888	10	1872	28	1928	34	1936	48	1903	54	1884	47	1880	45	1887	30	1883	12	1933	1	1883	....16
17..	-4	1907	-11	1896	10	1916	26	1908	39	1882	48	1926	54	1892	52	1882	45	1887	27	1886	14	1924	-4	1919	....17
18..	-1	1904	0	1896	5	1885	26	1887	38	1882	47	1920	54	1881	53	1918	42	1875	*31	1939	14	1936	-6	1919	....18
19..	-6	1904	*	1936	5	1876	22	1875	33	1882	47	1920	54	1881	51	1882	42	1929	28	1922	14	1936	-10	1875	....19
20..	-3	1901	6	1916	10	1885	21	1897	40	1892	47	1918	54	1890	52	1905	*42	1929	32	1900	15	1894	-11	1875	....20
21..	-3	1888	0	1916	7	1885	21	1875	41	1907	48	1940	52	1890	52	1882	*40	1929	*32	1940	10	1879	-1	1924	....21
22..	-6	1888	2	1918	8	1885	26	1875	39	1894	46	1840	55	1890	47	1894	35	1904	28	1940	9	1879	1	1883	....22
23..	-13	1882	-3	1876	6	1934	30	1872	40	1882	*47	1932	*57	1934	49	1886	35	1904	29	1883	11	1880	-12	1883	....23
24..	-5	1935	-6	1894	6	1874	28	1882	36	1882	*46	1932	54	1893	50	1873	39	1885	*31	1939	11	1880	0	1892	....24
25..	0	1927	-1	1928	18	1880	27	1892	42	1925	48	1903	53	1901	50	1890	39	1890	26	1879	13	1938	-8	1872	....25
26..	-6	1924	-4	1900	16	1873	33	1909	39	1882	52	1903	56	1920	46	1940	34	1879	25	1879	*12	1938	-2	1914	....26
27..	-5	1935	2	1907	11	1923	32	1882	43	1917	52	1897	52	1876	47	1880	40	1887	25	1936	8	1932	0	1914	....27
28..	-6	1888	3	1884	4	1923	31	1909	39	1902	49	1919	55	1880	47	1855	39	1914	28	1936	11	1873	-3	1872	....28
29..	-5	1873	.....	.....	10	1884	31	1874	35	1884	52	1919	52	1880	47	1908	34	1914	26	1876	8	1875	-17	1933	....29
30..	-8	1920	.....	.....	15	1923	.....	.....	39	1884	.....	.....	54	1895	49	1912	36	1888	28	1928	-2	1875	-15	1933	....30
31..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	49	1912	.....	.....	27	1904	.....	.....	-8	1917	....31

* Has occurred on previous dates also.

Maximum Amounts of Precipitation

Month	5 min's		10 min's		15 min's		30 min's		1 hour		2 hours		24 hours	
	Am't	Yr.	Am't	Yr.	Am't	Yr.	Am't	Yr.	Am't	Yr.	Am't	Yr.	Am't	Yr.
Jan...	.15	1936	.25	1936	.29	1936	.40	1936	.57	1919	.81	1919	3.25	1881
Febr..	.10	*1926	.14	*1918	.20	1920	.33	1920	.49	1920	.71	1920	4.45	1886
Mar..	.15	1913	.23	1913	.26	1913	.39	1913	.54	*1932	1.03	1932	3.04	1877
April..	.13	1936	.19	1921	.24	1920	.31	1920	.50	1931	.78	*1931	3.19	1921
May..	.55	1932	.62	1932	.63	1932	.65	1932	.69	1926	.94	1926	3.31	1920
June..	.42	1925	.72	1905	.75	1905	.90	1925	1.07	1922	1.28	1922	5.35	1875
July..	.50	1927	.67	1916	.85	1916	1.33	1916	1.62	1921	2.45	1915	6.01	1921
Aug..	.55	1908	.91	1908	1.12	1908	1.45	1908	1.80	1901	2.27	1917	4.99	1879
Sept..	.25	1902	.43	1927	.67	1934	1.01	1911	1.10	1904	1.74	1904	5.63	1933
Oct..	.34	1928	.54	1928	.67	1928	.86	1906	1.58	1906	1.74	1906	4.92	1895
Nov..	.21	1925	*.31	1932	.39	1927	*.62	1932	.83	1932	.94	1927	5.43	1876
Dec..	.15	1937	.21	1937	.26	1937	.45	1937	.81	1937	1.47	1937	3.36	1937
High- est	.55	*1908	.91	1908	1.12	1908	1.45	1908	1.80	1901	2.45	1915	6.04	1921

** 1871 to 1937, other data 1901 to 1937. * Several occurrences.

MONTHLY AND ANNUAL PRECIPITATION.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	An'l.
1818..	2.64	3.49	4.05	6.15	5.96	3.47	4.08	0.46	7.81	2.11	1.91	0.85	42.99
1819..	0.70	2.27	6.21	3.74	3.66	3.56	2.02	4.38	5.29	1.40	1.22	1.63	35.48
1820..	3.12	4.25	4.90	0.45	5.08	3.42	4.19	5.15	2.43	5.39	3.00	2.80	44.18
1821..	1.41	4.42	2.53	4.90	4.84	2.79	2.35	1.59	4.73	2.29	3.12	1.93	36.89
1822..	1.29	2.34	2.02	2.99	0.78	3.54	4.32	1.20	2.15	2.53	2.58	1.46	27.20
1823..	3.00	4.57	7.72	2.21	6.40	0.93	5.74	1.98	1.95	3.95	1.92	6.93	47.30
1824..	3.95	5.99	1.81	4.72	1.43	1.60	0.88	3.68	6.43	1.01	1.72	2.80	36.02
1825..	2.79	3.43	4.70	0.37	1.36	4.77	1.24	5.62	2.66	3.21	0.81	4.38	35.34
1826..	2.55	1.48	3.81	1.50	0.25	3.85	2.90	12.10	3.03	3.80	2.31	3.56	41.14
1827..	3.92	2.97	2.51	4.75	5.34	2.56	2.59	4.88	4.81	5.28	5.71	3.59	48.91
1828..	2.15	2.79	1.84	2.00	4.67	1.59	4.58	0.37	3.82	2.79	5.55	0.26	32.41
1829..	4.93	5.62	4.30	3.45	2.71	1.64	6.98	4.95	2.62	1.65	5.74	2.26	46.85
1830..	2.36	1.63	3.51	1.21	3.93	3.46	4.90	2.64	5.65	2.38	5.32	5.96	42.95
1831..	4.44	3.68	3.97	6.97	3.65	4.32	5.53	5.57	3.83	4.42	3.20	2.93	51.61
1832..	4.47	3.74	2.65	5.56	7.27	0.50	3.41	6.14	2.07	2.46	3.57	4.85	46.69
1833..	2.96	2.53	2.71	2.30	1.03	3.23	2.01	0.82	2.88	6.00	5.53	5.86	37.86
1834..	1.39	1.13	0.96	2.93	6.33	3.09	7.71	2.47	3.71	4.62	2.90	2.36	39.60
1835..	3.25	1.37	4.27	4.54	2.07	2.74	9.07	2.89	1.31	1.87	2.08	2.40	37.86
1836..	8.84	3.57	2.90	1.58	1.85	4.33	2.12	1.53	0.54	4.04	5.43	4.13	40.86
1837..	4.10	4.14	3.02	3.07	5.79	2.98	1.80	1.67	0.56	1.58	2.35	2.46	33.52
1838..	3.07	2.77	3.09	2.62	3.32	2.55	1.20	4.26	9.87	5.02	3.95	0.80	42.52
1839..	0.98	3.11	1.18	7.73	4.27	2.25	3.32	5.70	2.00	2.50	1.71	6.35	41.10
1840..	3.12	2.57	4.55	4.60	2.23	2.78	2.93	4.00	2.12	4.48	11.63	4.15	49.16
1841..	6.00	1.60	3.50	8.82	1.90	1.95	2.10	4.20	2.86	3.80	4.55	5.77	47.05
1842..	0.80	3.20	3.35	3.50	2.90	5.30	1.82	4.44	3.25	0.80	4.45	5.30	39.11
1843..	2.20	6.08	6.17	3.88	1.60	4.61	2.15	6.83	0.98	4.82	3.40	3.92	46.69
1844..	3.68	2.42	6.00	0.20	2.72	1.40	2.17	2.62	3.53	5.80	3.15	3.85	37.54
1845..	4.58	4.25	3.83	1.23	2.82	2.05	3.28	1.82	2.23	4.00	10.25	5.98	46.32
1846..	3.12	2.95	2.73	1.23	2.02	2.25	2.51	1.80	1.30	1.35	4.17	4.52	29.95
1847..	3.28	4.70	4.77	2.20	2.03	4.09	2.65	6.45	6.64	1.05	5.12	3.95	46.93
1848..	2.30	3.90	4.05	1.40	6.30	1.73	1.35	3.10	3.55	5.10	2.25	5.95	40.98
1849..	0.35	1.15	7.35	0.90	3.10	1.45	0.85	6.25	1.25	8.10	5.50	4.05	40.30
1850..	4.59	2.52	5.32	4.82	6.63	2.77	2.70	5.30	7.15	2.10	3.32	6.76	53.98
1851..	1.30	4.20	3.88	9.37	3.31	1.80	3.09	1.27	3.50	4.43	5.51	2.65	44.31
1852..	4.85	2.85	4.45	10.18	1.95	2.35	3.28	7.63	1.65	2.19	3.47	3.09	47.94
1853..	2.44	5.30	2.27	3.78	5.63	0.30	3.64	9.40	3.80	3.92	4.43	3.95	48.86
1854..	2.91	4.87	2.84	6.63	4.33	2.47	3.70	0.58	3.86	2.08	6.80	4.64	45.71
1855..	7.22	4.67	1.18	4.28	1.20	3.09	4.15	1.46	1.13	4.61	5.27	5.93	44.19
1856..	5.32	0.80	1.33	4.37	7.16	2.90	4.02	11.11	4.90	2.70	3.33	4.28	52.16
1857..	5.36	2.45	3.90	10.83	5.57	2.02	5.53	7.18	2.56	4.50	2.52	5.26	56.87
1858..	3.28	2.30	2.18	5.18	3.89	8.09	4.56	7.03	5.02	3.03	3.38	4.73	52.67
1859..	5.93	4.05	7.64	3.36	3.63	7.89	1.58	4.72	4.40	3.28	3.75	6.47	56.70
1860..	1.89	3.85	2.19	1.73	2.35	8.01	5.90	4.30	7.35	2.66	5.37	5.86	51.47
1861..	6.04	3.57	7.48	5.89	2.97	3.64	2.76	6.04	1.77	2.66	4.90	2.35	50.06
1862..	8.30	3.29	4.70	1.97	2.70	6.78	7.33	4.20	5.61	4.85	8.32	3.01	61.06
1863..	4.51	4.54	6.42	9.08	2.82	2.56	12.38	5.64	3.12	3.83	6.48	6.34	67.72
1864..	3.87	1.43	11.75	4.72	3.31	1.47	1.90	4.17	2.60	4.80	4.00	5.28	49.30
1865..	4.47	5.08	4.83	2.57	6.90	2.83	4.26	1.42	0.62	6.21	4.46	4.18	47.83
1866..	3.73	5.28	4.70	2.93	5.04	3.41	5.42	3.87	5.90	2.72	3.74	4.86	50.70
1867..	6.06	6.55	6.12	2.52	4.11	2.74	4.76	10.78	0.44	6.76	2.32	2.48	55.64
1868..	6.09	1.88	5.04	6.91	10.38	3.79	1.10	7.53	11.95	1.78	5.31	2.32	64.11
1869..	4.03	9.98	8.74	2.05	6.88	4.44	3.30	2.19	5.18	6.71	3.74	9.04	66.28
1870..	8.16	7.93	4.88	8.42	2.58	7.59	4.01	1.57	0.67	6.80	4.40	3.62	59.73
1871..	0.92	2.63	4.55	3.79	4.34	5.55	3.22	3.08	1.30	5.88	6.42	3.38	45.06
1872..	2.11	2.31	4.05	1.31	3.29	4.84	4.00	10.68	6.04	4.85	3.66	3.09	50.23
1873..	5.76	3.21	3.76	3.83	5.16	0.54	3.84	6.21	2.91	5.33	8.34	5.64	54.53

MONTHLY AND ANNUAL PRECIPITATION—Continued.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Anl.
1874..	4.32	3.41	1.60	7.97	3.71	3.94	3.47	6.67	2.05	1.39	2.85	2.14	43.52
1875..	3.63	3.74	5.04	4.92	3.76	7.25	3.93	3.50	3.12	4.99	5.47	0.75	50.15
1876..	1.87	4.54	7.19	3.61	2.70	1.72	5.86	1.23	3.84	1.66	11.03	3.71	48.96
1877..	3.33	0.45	9.79	4.19	3.33	3.21	2.27	4.49	0.60	8.34	9.62	1.32	51.49
1878..	7.60	4.40	5.91	6.14	1.03	2.28	4.58	7.66	3.47	6.76	8.94	6.76	65.53
1879..	2.79	4.35	3.90	6.58	0.97	6.24	3.09	6.71	1.84	0.91	2.97	4.22	44.57
1880..	3.72	4.11	3.25	2.85	1.63	0.75	6.86	2.90	2.36	3.15	2.30	3.42	37.30
1881..	7.21	4.89	9.86	1.66	4.16	7.79	2.96	1.23	2.50	2.84	3.73	3.80	52.63
1882..	3.68	4.77	3.35	2.50	6.05	1.03	3.91	1.46	10.93	2.29	1.20	2.65	43.82
1883..	3.59	2.74	2.33	2.83	5.11	2.07	2.73	0.39	1.50	6.40	2.08	3.71	35.48
1884..	6.27	5.74	4.86	4.76	3.31	4.01	4.25	5.01	0.31	3.17	3.03	4.46	49.18
1885..	5.33	3.00	1.15	3.30	4.26	3.70	1.44	7.64	1.70	5.71	5.78	2.09	45.10
1886..	7.08	7.04	3.20	1.70	3.08	1.34	1.81	3.64	2.73	3.27	3.59	3.66	42.14
1887..	4.86	3.69	3.86	2.62	1.67	1.98	3.59	3.05	0.97	2.53	2.22	2.71	33.75
1888..	2.26	2.36	3.32	2.04	5.20	2.69	1.79	6.53	6.77	3.58	4.97	4.38	45.89
1889..	4.11	1.54	1.19	3.07	4.15	2.77	5.80	3.95	3.19	3.31	4.91	1.83	39.82
1890..	2.00	2.29	5.85	2.29	4.48	2.21	1.93	2.70	5.04	5.63	0.97	3.72	39.14
1891..	4.39	3.66	3.94	1.71	1.56	3.06	3.73	3.87	2.29	5.56	2.35	3.58	39.70
1892..	4.62	2.15	3.91	0.93	5.15	3.05	2.56	4.87	1.90	2.31	4.45	1.12	37.02
1893..	2.56	6.22	2.80	3.13	5.23	2.20	1.72	6.46	1.59	2.94	1.83	5.16	41.84
1894..	3.01	3.15	1.01	3.78	4.12	0.80	3.09	3.03	2.14	5.11	3.10	4.28	36.62
1895..	3.79	1.11	2.72	3.65	2.71	1.73	2.98	3.24	1.53	6.19	8.07	2.45	40.17
1896..	2.25	3.94	5.41	1.56	1.68	2.71	2.90	2.15	6.40	3.15	3.70	1.70	37.55
1897..	3.16	2.12	2.79	3.17	4.00	4.46	4.22	3.95	2.38	0.41	6.19	3.92	40.77
1898..	3.50	4.81	1.82	6.39	4.33	1.60	4.42	6.38	1.93	7.17	5.32	2.19	49.86
1899..	4.19	3.03	5.95	1.29	0.81	2.86	2.52	2.52	5.09	2.40	2.51	1.52	34.69
1900..	4.20	6.83	4.60	1.90	5.07	1.85	2.69	2.46	4.62	3.41	4.17	2.25	44.05
1901..	1.56	0.66	6.58	7.43	6.31	1.31	5.20	3.25	2.50	3.02	2.41	8.49	48.72
1902..	1.65	4.19	5.29	2.87	1.07	1.77	2.88	2.20	2.08	4.36	1.09	4.48	33.93
1903..	3.43	3.90	5.95	4.43	0.32	7.19	2.99	3.33	2.43	3.95	1.48	2.57	41.97
1904..	4.80	2.49	2.43	9.14	3.38	2.03	1.23	2.19	5.57	2.13	1.70	2.52	39.64
1905..	4.09	1.59	2.25	2.14	1.47	5.23	1.00	3.39	5.10	0.82	1.77	3.23	32.08
1906..	2.96	2.66	5.45	2.15	4.91	2.57	5.38	1.58	2.64	3.88	2.55	3.96	40.69
1907..	2.54	1.88	1.66	3.31	3.12	2.56	1.09	1.10	7.43	2.54	6.02	4.31	37.56
1908..	2.47	2.96	2.97	1.70	3.78	1.08	3.17	4.35	0.68	3.70	0.74	2.47	30.07
1909..	3.94	4.71	3.28	3.92	2.33	4.45	0.97	3.55	5.15	1.07	4.11	3.19	40.67
1910..	4.25	3.44	1.25	2.22	1.02	4.89	1.15	0.98	2.14	1.14	3.75	2.10	28.33
1911..	2.28	2.85	2.95	2.28	0.35	3.67	4.65	4.17	2.95	2.27	4.29	3.07	35.78
1912..	2.87	2.38	4.18	3.07	4.04	0.27	5.16	1.94	1.67	1.00	2.61	5.36	34.55
1913..	2.38	2.99	4.81	4.77	3.22	0.64	2.69	2.86	2.51	6.04	2.15	3.05	38.11
1914..	3.26	3.07	4.16	5.87	2.78	1.40	2.64	3.20	0.21	1.54	2.72	3.46	34.31
1915..	6.33	3.47	T.	1.86	1.64	1.39	8.85	5.63	0.69	2.82	2.14	3.94	38.76
1916..	1.23	5.18	3.20	4.51	2.83	5.04	5.67	2.19	1.90	0.94	1.67	3.00	37.36
1917..	2.82	2.67	3.73	2.72	4.45	4.05	1.10	7.06	1.91	5.33	0.59	2.56	38.99
1918..	3.11	2.30	3.19	3.08	1.99	1.94	2.64	1.56	9.19	0.99	1.20	3.21	34.40
1919..	3.62	2.66	4.11	2.33	4.25	1.08	4.63	5.07	5.83	2.13	5.36	1.63	42.70
1920..	2.72	5.88	3.72	5.68	5.26	5.78	1.56	2.32	1.90	1.64	5.46	3.89	45.81
1921..	2.24	2.64	1.92	4.62	3.64	3.58	11.69	1.63	1.22	1.24	6.19	2.35	42.96
1922..	1.41	2.64	4.35	2.48	5.34	8.05	2.63	4.75	3.66	1.97	0.84	3.01	41.13
1923..	6.07	1.18	2.49	5.26	0.83	2.03	3.36	1.86	0.38	3.37	2.78	4.98	34.89
1924..	3.27	2.61	2.04	3.79	2.81	1.07	2.04	6.86	6.96	0.06	1.93	1.48	34.92
1925..	3.97	1.55	5.21	2.48	2.07	4.59	3.54	1.40	3.45	4.03	3.66	5.20	41.15
1926..	2.53	5.56	2.91	1.73	3.31	1.33	6.06	3.91	1.08	3.58	4.07	3.96	40.03
1927..	2.67	3.28	1.19	1.36	2.50	2.43	4.77	6.73	2.43	3.77	4.71	5.23	41.07
1928..	1.66	2.66	1.56	4.68	3.08	5.56	4.14	2.45	4.47	2.88	1.85	2.61	37.60
1929..	3.82	3.78	2.80	7.52	2.82	2.30	1.35	2.22	0.76	2.33	3.01	4.43	37.19
1930..	2.77	2.23	3.02	2.08	3.39	2.24	3.36	3.03	0.26	5.83	4.09	2.99	35.29
1931..	4.09	4.21	4.66	3.12	4.51	9.13	2.43	4.45	1.67	2.18	0.82	2.90	44.17
1932..	4.24	1.74	5.28	1.67	1.63	2.05	2.10	4.24	4.50	7.18	5.24	1.78	41.65
1933..	2.04	3.77	6.80	7.37	2.74	1.22	2.63	3.41	10.94	3.11	0.65	2.93	47.61
1934..	2.67	4.45	4.04	3.21	1.56	3.11	1.25	1.83	5.67	2.94	1.78	1.64	34.15
1935..	6.13	3.26	1.52	4.77	1.35	5.07	1.10	2.14	2.69	0.34	3.91	0.66	32.94
1936..	6.46	3.66	6.40	3.54	1.70	2.37	1.04	5.15	3.79	2.67	1.33	8.19	46.30
1937..	3.93	1.31	3.57	5.34	2.52	3.47	1.17	4.97	3.69	3.95	4.66	5.09	43.67
1938..	4.91	2.38	2.42	3.22	4.42	6.30	0.46	3.31	6.00	2.43	2.89	2.80	50.54
1939..	2.18	3.79	5.23	4.54	1.29	2.70	0.75	2.14	1.01	4.77	1.14	2.91	32.45
1940..	1.68	4.78	3.83	4.58	3.28	1.80	3.17	0.85	2.32	0.76	6.24	2.76	36.05
1941..	4.21	1.70	3.40	1.70	2.43	4.29	2.90	1.55	1.18	1.92	2.40	3.19	30.87
M'ns	*3.57	3.29	3.79	3.58	3.12	3.14	3.35	3.64	3.18	3.29	3.57	3.34	40.86
M'ns	†3.63	3.44	3.95	3.78	3.42	3.18	3.48	3.93	3.36	3.44	3.83	3.64	43.08

NOTE.—Bold-faced figures indicate greatest and least monthly and annual amounts. * Computed from the Weather Bureau records of 71 yrs. † Averages 124 yrs.

From 1818 to 1822, Dr. Enoch Hale; from 1823 to 1865, Jonathan P. Hall; from 1866 to 1870, Superintendent of Sewers.

Hours of Sunshine

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1893...	.....	161	221	212	219	222	289	241	231	219	184	130	.....
1894...	135	159	222	208	260	236	340	275	216	165	143	148	2556
1895...	143	218	215	202	287	254	253	289	255	208	110	123	2557
1896...	155	167	208	246	263	260	235	262	191	132	110	184	2412
1897...	136	159	165	227	196	258	220	270	258	230	119	132	2370
1898...	164	142	194	174	198	234	252	242	266	171	126	153	2316
1899...	185	160	163	292	292	323	316	210	216	150	164	180	2652
1900...	154	146	237	234	232	311	320	261	225	146	120	142	2527
1901...	134	208	158	106	212	332	266	223	218	236	134	121	2349
1902...	152	170	187	175	295	295	253	304	190	196	120	142	2479
1903...	149	174	203	261	347	183	300	249	289	212	180	168	2715
1904...	151	164	197	211	281	249	277	262	229	184	141	107	2452
1905...	150	188	224	261	298	268	319	271	191	224	179	127	2700
1906...	144	192	223	254	307	293	289	292	271	173	130	81	2649
1907...	91	141	192	204	211	284	336	312	159	199	103	129	2363
1908...	171	186	196	254	267	366	314	255	243	206	166	138	2760
1909...	102	155	223	237	283	361	374	314	213	225	119	157	2763
1910...	123	171	259	236	233	259	338	282	208	210	101	127	2547
1911...	110	141	238	300	329	306	228	281	241	175	171	135	2764
1912...	136	202	238	234	281	390	339	301	224	226	170	160	2902
1913...	141	203	193	236	272	353	335	287	224	90	150	140	2623
1914...	106	192	166	217	252	279	254	201	274	209	148	122	2419
1915...	134	166	292	220	299	291	275	286	275	200	160	138	2705
1916...	149	144	228	206	274	278	260	306	275	232	160	167	2678
1917...	118	171	224	204	214	257	306	307	267	186	193	112	2553
1918...	165	170	248	250	311	304	271	264	207	165	143	110	2608
1919...	134	213	173	185	276	330	301	260	193	134	125	126	2451
1920...	147	143	237	183	252	238	343	246	226	228	88	152	2484
1921...	163	159	210	174	288	332	274	339	269	224	94	132	2659
1922...	172	114	178	248	332	251	294	224	252	214	139	96	2514
1923...	116	160	193	241	291	281	255	286	222	200	145	118	2512
1924...	162	199	234	224	225	289	347	275	222	251	171	122	2723
1925...	141	156	210	261	274	311	301	294	209	145	160	134	2596
1926...	106	126	211	236	253	270	268	200	215	196	160	130	2401
1927...	133	118	255	343	218	306	241	233	266	253	132	152	2651
1928...	191	201	247	279	262	249	298	242	193	230	105	171	2669
1929...	171	162	211	182	326	346	367	296	205	193	136	118	2712
1930...	113	181	236	293	271	306	274	294	275	195	155	130	2724
1931...	208	170	193	275	284	268	244	240	243	223	149	125	2622
1932...	96	137	222	257	338	291	343	339	268	174	165	150	2780
1933...	175	207	195	197	282	289	291	239	200	218	149	95	2537
1934...	118	183	237	278	311	287	286	241	120	187	130	140	2518
1935...	142	132	225	162	254	207	248	267	163	251	90	126	2265
1936...	175	167	204	192	320	289	369	254	212	198	148	115	2643
1937...	121	163	236	208	244	244	309	257	259	162	141	150	2492
1938...	121	114	176	233	279	302	242	326	213	178	160	126	2470
1939...	119	135	180	177	276	295	325	260	230	150	170	108	2425
1940...	174	153	214	197	221	275	293	305	224	213	96	93	2459
1941...	127	170	217	257	262	259	243	294	290	205	217	125	2666
Aver [†] .	142	166	213	227	271	286	292	270	229	197	143	134	2570
Possible	295	†297	371	401	452	455	461	429	374	343	295	284	4457

† Leap years not considered.

EXTREMES OF BAROMETRIC PRESSURE, 1872-1941

Sea Level Pressure

MONTH	PRESSURE						
	Average	Maximum	Year	Day	Minimum	Year	Day
January.....	30.05	31.00	1920	31	28.67	1913	3
February.....	30.00	31.03	1920	1	28.69	1895	8
March.....	29.99	30.96	1904	5	28.45	1932	7
April.....	29.97	30.72	1911	12	28.86	1907	9
May.....	29.98	30.63	1936	22	29.11	1929	3
June.....	29.97	30.57	1884	15	29.26	1923	27
July.....	29.95	30.51	1892	7	29.21	1932	2
August.....	30.01	30.48	1934	31	29.26	1924	26
September.....	30.08	30.65	1888	7	29.09	1938	21
October.....	30.06	30.75	1879	3	28.97	1925	25
November.....	30.02	30.87	1932	28	28.73	1873	18
December.....	30.02	30.96	1837	1	28.80	1915	14
Average or Extremes.....	30.01	31.03	1920	Feb. 1	28.45	1932	Mar. 7

Daily Maximum Temperature, 1941

Date	January	February	March	April	May	June	July	August	September	October	November	December
1.....	39	37	39	44	46	62	87	81	92	73	62	32
2.....	36	29	43	42	44	66	96	85	77	74	65	53
3.....	40	30	48	50	54	83	74	82	79	70	59	48
4.....	39	37	51	50	71	74	72	85	79	84	61	59
5.....	30	39	36	44	65	58	81	87	77	82	64	54
6.....	30	37	36	43	67	64	84	80	87	79	53	58
7.....	30	44	33	49	76	85	83	87	82	68	66	37
8.....	30	47	33	55	74	90	78	90	74	72	59	40
9.....	33	38	33	63	64	75	77	94	65	60	50	45
10.....	33	29	33	59	61	68	87	73	88	61	52	43
11.....	26	46	34	52	67	65	85	79	73	54	49	27
12.....	37	36	33	57	65	65	77	86	69	66	46	26
13.....	30	37	41	64	55	63	71	69	65	67	44	43
14.....	17	38	45	77	57	68	73	74	78	67	61	45
15.....	20	39	45	78	76	72	71	76	85	74	58	38
16.....	34	31	43	73	84	67	67	81	94	60	63	46
17.....	36	31	42	65	82	77	69	74	88	59	47	48
18.....	37	31	16	74	67	80	76	76	78	61	65	48
19.....	38	32	30	74	75	91	78	69	59	64	75	49
20.....	24	33	31	89	67	92	81	82	62	66	71	43
21.....	30	38	42	73	85	94	85	71	82	70	64	21
22.....	43	41	44	59	92	95	86	79	88	69	47	40
23.....	48	38	56	59	90	72	84	83	88	66	54	42
24.....	30	36	44	50	63	82	90	81	64	56	45	55
25.....	31	41	40	52	68	75	92	76	62	50	42	51
26.....	30	32	47	46	76	85	80	90	78	49	50	41
27.....	24	38	51	50	77	96	78	79	65	71	54	49
28.....	24	35	46	78	59	93	68	70	77	67	54	40
29.....	32	.....	46	71	73	90	83	74	71	48	63	31
30.....	21	.....	42	82	71	70	71	84	60	47	57	31
31.....	29	.....	49	.....	73	.....	67	73	.....	52	.....	37
Mean	31.6	36.4	40.5	60.7	69.2	77.2	79.1	79.9	76.2	64.7	56.7	42.6

Maximum temperature for year 96°, June, July.

Daily Minimum Temperature, 1941

Date	January	February	March	April	May	June	July	August	September	October	November	December
1.....	28	18	31	38	41	54	62	63	60	59	43	19
2.....	24	24	29	35	28	54	72	63	58	53	50	32
3.....	31	21	36	36	36	57	62	61	53	55	47	38
4.....	30	24	18	36	42	58	62	61	58	64	41	42
5.....	21	20	18	36	54	52	63	67	63	58	48	44
6.....	19	22	24	36	48	50	64	64	70	55	49	37
7.....	14	32	19	32	58	52	63	64	62	55	50	24
8.....	14	30	29	39	56	65	70	66	56	58	44	23
9.....	18	13	28	39	53	58	67	70	51	51	41	34
10.....	24	8	24	44	50	56	65	64	63	50	41	27
11.....	22	22	22	36	48	52	66	60	56	46	37	13
12.....	22	25	22	36	47	52	65	58	49	42	23	10
13.....	8	27	16	38	49	57	62	54	50	47	26	24
14.....	3	35	24	49	43	56	58	54	55	50	40	34
15.....	12	27	28	51	46	57	57	65	60	59	42	31
16.....	14	20	34	50	54	57	58	67	70	44	33	31
17.....	32	15	16	46	55	58	61	60	68	38	30	32
18.....	33	21	12	52	48	59	64	54	57	46	38	23
19.....	20	21	16	52	49	60	70	61	50	48	47	39
20.....	12	20	23	53	54	71	66	64	45	42	56	12
21.....	13	26	22	54	53	74	61	57	52	47	40	7
22.....	23	29	26	44	64	71	65	59	57	51	35	13
23.....	28	28	31	39	62	54	68	63	60	46	39	31
24.....	17	23	35	43	49	52	69	60	52	33	30	40
25.....	18	21	36	40	48	59	66	63	48	40	29	34
26.....	20	20	36	38	59	56	65	70	60	29	35	20
27.....	15	16	33	39	53	71	63	60	53	43	38	35
28.....	16	16	33	48	53	73	60	54	52	36	35	30
29.....	15	.....	36	49	55	68	61	53	46	32	35	24
30.....	3	.....	28	44	50	60	61	62	40	33	23	20
31.....	18	.....	27	.....	51	.....	61	59	.....	46	.....	23
Mean	18.9	22.3	26.2	42.4	50.5	59.1	63.8	61.3	55.8	47.1	39.3	27.8

Minimum temperature for year 3°, January.

Daily Precipitation, 1941

Day	January	February	March	April	May	June	July	August	September	October	November	December
1.....			*.06	T.	.23	.10	.18	.02	1.09	.27	1.33	* T.
2.....	*.03	*.06		T.	.36	.04					.02	.27
3.....	*.07	* T.	*.02				T.			.44		.02
4.....	*.85	* T.	*.05		T.	.13	.02			.03		
5.....			* T.	.17	.07	1.31		T.	T.	.04	T.	.09
6.....				.22		.04			T.		.19	.01
7.....		1.27					.02			.01	* T.	
8.....		.03	*1.75		.38		.02			.01		
9.....	*.01		*.04		.01			T.	T.		.09	
10.....	* T.		*.01		.71			T.	.07	.46	.02	
11.....			.62						.02		T.	
12.....	*.01		*.09				.82	.03		T.	* T.	* T.
13.....				.05		T.	.03					*.47
14.....		.04		.03		.13				T.		1.65
15.....		*.23	.02			T.	T.	.05				
16.....	*.55		*.11	.03	.23	.71	T.	.08			T.	
17.....	.83	* T.	* T.		.04	.16	.09	T.				
18.....	T.			T.			T.	.66		.32		
19.....	* T.									T.		* T.
20.....											T.	.04
21.....				T.		.15	T.					
22.....	T.			.02	.07	.43	.02			T.	.25	.07
23.....	T.		.11	.70	.19	.01	T.					.59
24.....	*.83		.50				.11	.50		* T.		
25.....	*1.03			T.	T.			T.				* T.
26.....				.48	.03		.05	T.		.05		
27.....	* T.			T.	.02		1.37			.26		* T.
28.....		*.07			.09	1.08	.01					*.02
29.....	* T.		*.02	T.			.11		T.	.02	T.	* T.
30.....			T.				.05	.21		.01		* T.
31.....												
Total.....	4.21	1.70	3.40	1.70	2.43	4.29	2.90	1.55	1.18	1.92	2.40	3.19

T. indicates a trace. *Wholly or partly snow.

Daily Cloudiness, 1941

[Daylight hours; scale 0 to 10]

Day	January	February	March	April	May	June	July	August	September	October	November	December
1.....	1	0	9	10	10	10	8	6	5	9	10	8
2.....	9	10	2	10	10	6	5	3	6	8	9	10
3.....	10	9	10	2	5	4	6	4	5	10	6	10
4.....	10	7	10	1	5	10	10	5	8	4	1	5
5.....	7	0	0	10	8	10	8	4	10	8	5	9
6.....	6	4	4	10	3	5	6	1	3	8	10	6
7.....	4	10	8	4	10	1	9	1	2	10	8	7
8.....	0	2	10	2	9	6	9	0	2	1	3	6
9.....	9	1	10	3	9	1	7	4	8	4	8	5
10.....	3	0	4	2	10	4	2	1	5	10	5	7
11.....	9	0	10	2	7	6	6	3	5	6	6	1
12.....	10	6	10	1	5	7	10	8	3	6	4	7
13.....	2	8	1	7	4	10	8	4	1	4	4	10
14.....	0	10	3	8	8	10	5	8	8	10	9	8
15.....	7	10	4	10	1	7	5	9	5	8	4	2
16.....	10	0	10	9	1	9	6	8	3	3	3	9
17.....	10	8	7	8	9	4	10	1	7	1	0	2
18.....	10	7	5	1	2	5	8	4	1	10	5	8
19.....	7	3	9	4	0	2	9	10	1	2	5	7
20.....	0	6	4	6	0	3	4	8	2	0	7	8
21.....	3	9	1	7	2	1	3	3	1	7	0	0
22.....	8	6	0	1	9	3	3	7	1	1	0	2
23.....	7	4	0	6	4	10	6	7	2	10	10	9
24.....	9	0	10	10	10	4	5	3	4	2	4	10
25.....	8	9	10	5	7	3	4	9	4	8	0	0
26.....	8	1	0	10	10	8	4	6	5	3	7	3
27.....	10	4	0	10	9	2	6	5	4	9	1	7
28.....	5	9	8	8	9	1	10	1	6	10	1	3
29.....	8		7	3	5	9	7	4	7	3	6	10
30.....	8		5	4	3	6	10	8	9	10	9	7
31.....	6		1		6		10	10		10		10
Mean.....	6.6	5.1	5.5	5.8	6.1	5.6	6.7	5.0	4.4	6.3	5.0	6.3

Note.—Clear (0 to 3). Partly cloudy (4 to 7). Cloudy (8 to 10).

U S DEPARTMENT OF COMMERCE
WEATHER BUREAU

ANNUAL
METEOROLOGICAL
SUMMARY

WITH COMPARATIVE DATA

1942

BOSTON, MASS.

COMPILED BY
G. H. NOYES

Kirstein Business Library

APR 13 1943

BOSTON, MASS.

1943

SUMMARY FOR YEAR 1942, BOSTON, MASS.

Month.	Temperature.				Relative humidity (per cent).		Precipitation.			Sun-shine		Wind.			Number of days.								Max. temp.		Min. temp.					
	Mean.		Extremes.		7:30 a. m.	1:30 p. m.	7:30 p. m.	Total.	Greatest in 24 hours.	Date.	Snowfall.	Number of hours.	Percent of possible.	Average hourly velocity.	Prevailing direction.	Highest.		Gales (32 miles per hour or over).	Clear.	Partly cloudy.	Cloudy.	With precipitation (0.01 in. or more).	Snow (.01 in. or more melted.)	Thunderstorms.	Dense fog.	32° or below.	90° or above.	32° or below.	0° or below.	
																Velocity.	Direction.													Date.
		Maximum.	Minimum.	Monthly.	Highest.	Date.	Lowest.	Date.																						
January...	36.4	20.7	28.6	60	2	1	8	3.69	1.81	19	8.2	181	61	12.5	sw.	35	s.	2	2	11	9	11	7	3	0	0	9	0	26	0
February...	34.3	19.8	27.0	48	17	1	3	3.45	1.42	7-8	6.2	188	63	14.6	nw.	33	nw.	13	3	9	10	9	7	4	0	0	10	0	27	0
March.....	47.3	34.3	40.8	65	8	30	29	7.01	1.62	16-17	7.9	183	49	13.1	w.	47	ne.	3	3	4	12	15	12	4	1	1	0	0	4	0
April.....	58.5	40.9	49.7	86	30	32	11	1.59	0.77	10-11	1.5	214	53	11.7	sw.	31	ne.	10	0	7	13	10	11	2	1	0	0	0	0	0
May	69.5	52.0	60.8	88	30	44	8	2.11	0.89	6-7	0	160	35	9.6	sw.	29	sw.	12	0	4	11	16	10	0	2	4	0	0	0	0
June	75.4	59.4	67.4	91	13	48	18	4.24	1.81	19-20	0	208	46	9.4	sw.	29	nw.	19	0	3	14	13	16	0	5	0	0	1	0	0
July	78.8	63.4	71.1	93	14	58	10	4.14	1.52	2-3	0	262	57	9.0	sw.	30	nw.	6	0	5	12	14	12	0	3	4	0	2	0	0
August....	78.4	63.0	70.7	92	21	50	26	2.09	1.07	13-14	0	281	66	9.5	sw.	25	se.	10	0	8	11	12	7	0	1	1	0	2	0	0
September	72.2	56.9	64.6	91	2	39	29	1.96	1.12	9-10	0	214	57	10.0	sw.	40	s.	27	1	11	9	10	11	0	0	3	0	1	0	0
October...	63.5	48.1	55.8	82	9	36	28	2.78	1.12	17-18	0	215	63	10.2	sw.	33	ne.	18	1	8	13	10	10	0	1	1	0	0	0	0
November	51.0	36.0	43.5	71	1	20	15	4.69	1.00	24-25	T.	129	44	11.9	nw.	44	sw.	10	2	9	7	14	11	0	0	0	0	0	8	0
December.	35.4	21.7	28.6	59	2	-11	20	4.72	1.74	29-30	6.8	110	39	13.5	w	47	se.	2	3	8	9	14	11	4	1	0	8	0	24	4
Year..	58.4	43.0	60.7	93	July 14	-11	Dec. 20	42.47	1.81	June 19-20	30.6	2346	53	11.2	sw.	47	se.	Dec. 2	15	87	130	148	125	17	15	14	27	6	89	4

Elevation of instruments above ground: thermometers, 33 feet; rain-gage, 3 feet; anemometer 62 feet.

COMPARATIVE DATA AND EXTREMES

Month	Temperature				Precipitation				Relative humidity per cent		Sunshine		† Wind					Average number of days															
	Average daily maximum	Average daily minimum	Normal	Absolute highest	Year	Absolute lowest	Year	Normal	Greatest in 24 hours	Year	Average snowfall	Greatest snowfall in 24 hours	Year	8 a. m.	8 p. m.		Total hours	Percent	Average hourly velocity	Prevailing direction	Highest velocity	Direction highest velocity	Year	Clear	Partly cloudy	Cloudy	Rain, .01 or more	Snow (trace or more)	Thunderstorms	Dense fog	Max. temp. 90° or above	Minimum temp. 32° or below	Minimum temp. 0° or below
															Noon—local time																		
L'gth of record years.	59	59	46	62	62	62	62	62	62	62	62	62	62	62	40	14	40	50	60	60	60	60	60	60	63	63	60	31	38	38	59	59	59
Jan.	35.8	20.0	27.9	70	1876	-13	1882	3.61	3.25	1881	11.6	14.7	1897	72	63	70	143	48	12.4	w.	50	ne.	1886	60	63	63	60	31	38	38	59	59	59
Feb.	36.6	21.0	28.8	68	1930	-18	1934	3.37	4.45	1886	12.5	16.0	1921	71	61	66	166	56	12.7	w.	51	ne.	1940	60	60	63	60	31	38	38	59	59	59
March.	43.4	27.8	35.6	83	1921	-8	1872	3.57	3.04	1877	7.4	12.0	1892	70	58	68	212	57	12.9	w.	56	se.	1877	60	60	60	60	31	38	38	59	59	59
April.	54.5	38.3	46.4	89	1938	11	1874	3.34	3.19	1921	2.1	9.1	1917	69	57	68	227	56	12.1	w.	47	se.	1891	60	60	60	60	31	38	38	59	59	59
May.	65.7	48.6	57.1	97	1880	31	1882	3.18	3.31	1920	T.	T.	.....	70	61	69	268	60	11.2	sw.	43	ne.	1938	60	60	60	60	31	38	38	59	59	59
June.	75.2	57.8	66.5	100	1925	42	1884	2.89	5.35	1875	0	0	.....	72	59	71	284	62	10.7	sw.	38	ne.	1941	60	60	60	60	31	38	38	59	59	59
July.	80.1	63.3	71.7	104	1911	50	1879	3.49	6.04	1921	0	0	.....	71	61	72	294	64	10.3	sw.	47	sw.	1879	60	60	60	60	31	38	38	59	59	59
August.	77.8	62.0	69.9	98	1917	46	1940	3.62	4.99	1879	0	0	.....	76	61	77	270	63	9.9	sw.	38	se.	1893	60	60	60	60	31	38	38	59	59	59
Sept.	71.2	55.2	63.2	102	1881	34	1914	3.14	5.63	1933	0	0	.....	77	62	75	229	63	10.5	sw.	48	se.	1937	60	60	60	60	31	38	38	59	59	59
October.	61.6	45.5	53.6	90	1881	25	1936	3.15	4.92	1895	T.	0.5	1884	75	58	72	197	57	11.2	w.	48	s.	1937	60	60	60	60	31	38	38	59	59	59
November.	49.3	34.8	42.0	78	1931	-2	1875	3.33	5.43	1876	1.7	12.0	1898	73	65	71	142	48	12.0	w.	56	ne.	1939	60	60	60	60	31	38	38	59	59	59
December.	39.6	25.4	32.5	69	1912	-17	1933	3.45	3.36	1937	7.5	12.3	1909	74	62	69	132	47	12.2	w.	*47	se.	1942	60	60	60	60	31	38	38	59	59	59
Year.	57.6	41.6	49.6	104	1911	-18	1934	40.14	6.04	1921	42.8	16.0	1921	73	61	71	2561	57	11.5	w.	73	s	1938	60	63	63	60	31	38	38	59	59	59

† Anemometer, 62 feet above ground : October 1933 to December 1935, anemometer 360 feet, record not used. \$ Less than 1. * Has occurred on previous date.

Monthly and Annual Mean Temperatures

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	An'l.
1840..	20.0	30.8	34.4	48.4	55.6	66.2	71.8	70.3	59.9	49.5	36.6	24.7	47.4
1841..	27.9	22.3	33.1	41.1	53.2	67.4	69.8	68.5	62.3	44.6	36.4	30.0	46.4
1842..	27.2	31.6	37.4	44.4	51.7	62.6	72.7	67.5	58.2	47.9	34.8	23.5	46.6
1843..	29.7	16.8	25.4	43.5	54.5	64.2	69.2	69.9	60.6	47.5	34.3	26.9	45.2
1844..	15.4	24.6	33.8	48.4	57.4	65.1	68.2	67.8	64.0	45.5	34.3	27.0	46.0
1845..	27.2	27.6	36.2	46.3	56.6	68.1	72.1	71.3	60.2	51.8	44.3	25.6	48.9
1846..	27.4	21.3	38.2	49.5	55.8	65.0	71.6	70.2	66.7	51.2	43.2	27.4	49.0
1847..	26.4	25.9	30.8	42.0	53.4	64.7	73.0	68.1	61.0	47.7	44.1	34.8	47.7
1848..	29.1	24.7	32.2	45.5	57.8	64.8	70.2	69.6	58.6	49.8	36.2	34.4	47.7
1849..	21.0	18.4	35.8	43.5	52.5	67.7	71.6	69.2	60.0	49.2	45.0	28.9	46.9
1850..	27.2	29.4	32.6	42.4	51.4	67.2	71.6	67.0	61.0	51.4	41.0	25.2	47.3
1851..	25.5	29.9	36.2	44.5	55.5	64.8	71.4	68.0	61.1	52.9	34.8	22.9	47.3
1852..	20.8	27.4	32.9	41.0	56.8	67.4	72.4	66.6	62.1	50.4	38.3	35.0	47.6
1853..	25.8	29.2	35.8	45.1	56.4	66.8	70.6	67.5	61.2	47.8	39.6	26.4	47.7
1854..	23.9	23.5	32.4	42.3	58.7	65.6	74.4	68.4	61.5	52.5	41.2	24.4	47.4
1855..	28.4	20.2	32.3	44.1	53.4	65.5	72.2	67.3	61.4	51.5	40.0	28.6	47.1
1856..	16.8	20.9	27.0	44.0	52.6	68.1	72.7	67.2	63.0	51.1	38.7	24.0	45.5
1857..	15.2	33.6	32.9	41.8	54.7	63.4	71.6	68.2	62.0	51.3	41.3	33.2	47.4
1858..	30.9	22.2	31.6	45.2	52.9	67.8	69.9	66.6	61.8	53.0	35.3	28.0	47.1
1859..	25.4	28.5	38.6	42.9	58.1	64.2	69.7	68.0	58.8	46.5	42.0	24.4	47.3
1860..	27.7	25.8	38.4	44.2	56.1	65.4	68.1	69.5	59.7	50.8	43.4	26.6	48.0
1861..	23.0	32.6	35.0	44.3	54.5	65.9	71.9	67.6	62.0	54.2	38.4	30.6	48.3
1862..	22.9	22.7	32.7	44.0	58.3	63.6	69.3	70.1	60.1	53.0	40.0	27.6	47.0
1863..	28.8	25.1	27.2	44.2	59.1	65.3	73.2	73.2	60.3	51.9	42.3	25.7	48.0
1864..	25.0	27.4	34.4	42.1	56.4	67.8	73.6	73.3	60.1	47.8	39.6	27.4	47.9
1865..	16.8	24.2	37.9	49.6	58.1	73.1	73.4	71.1	66.7	48.2	40.2	29.6	49.1
1866..	22.4	27.9	32.8	47.8	53.4	66.1	74.4	65.5	62.0	49.6	41.6	27.2	47.6
1867..	18.6	32.2	30.8	44.7	53.1	66.9	69.2	70.4	60.0	50.9	38.7	23.1	46.6
1868..	22.0	20.1	32.3	42.1	50.8	64.2	73.6	69.7	59.9	46.4	36.5	25.6	45.3
1869..	27.9	28.9	26.6	43.6	54.0	64.2	70.8	67.6	62.3	48.7	36.4	28.4	46.6
1870..	32.7	24.5	30.0	46.6	57.6	68.5	72.9	71.8	62.7	53.3	41.1	32.6	49.5
M'ns.	24.5	25.8	33.2	44.5	55.2	66.1	71.5	68.9	61.3	49.9	39.3	27.7	47.3

These temperature records were made at the Astronomical Observatory of Harvard College, which is located on Concord Avenue and Bond Street, Cambridge, Mass., about three miles from the Weather Bureau station in Boston, Mass.

MISCELLANEOUS DATA FOR 1942.

Barometric Pressure (reduced to sea level).—Mean, 29.98 inches, 1015.2 millibars; highest, 30.90 inches, 1046.4 millibars; December 27; lowest, 28.49 inches, 964.8 millibars, Dec. 2.

Temperature.—Greatest monthly range, 70°, December; least monthly range, 35°, July. Highest mean temperature of three consecutive days, 81°, August 21-23; lowest mean temperature of three consecutive days, 2°, December 19-21.

Precipitation.—Longest period without precipitation, 12 days, April 22-May 3; longest period with precipitation, 8 days, June 14-21. Greatest amount in 24 consecutive hours, 1.81 inches, June 19-20. Maximum amount in 5 minutes, 0.31 inch, June 19; 10 minutes, 0.53 inch, June 19; 15 minutes, 0.70 inch, June 19; 30 minutes, 0.83 inch, June 19; 1 hour, 1.21 inch, June 19.

Frost.—Last killing frost in spring, April 14. First killing frost in autumn, September 29.

Snow.—Greatest snowfall in 24 hours, 5.5 inches, February 5-6. Greatest depth of snow on ground, 5.0 inches, January 10. Last snow in spring occurred on April 11; first in autumn occurred on November 3.

Thunderstorms.—First thunderstorm occurred on March 9; last thunderstorm occurred on December 2.

C 30
16
279

Monthly and Annual Mean Temperatures

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	An'l
1871...	26.0	28.6	41.5	47.0	57.9	65.9	70.8	71.7	69.3	54.0	36.6	27.9	48.9
1872...	27.4	28.1	26.0	46.6	59.4	68.9	75.6	73.0	64.5	51.8	40.6	23.2	48.8
1873...	25.1	26.3	33.9	45.0	56.8	67.3	72.9	69.8	62.8	53.5	33.4	32.0	48.2
1874...	30.5	27.0	34.4	38.8	55.4	66.0	72.6	68.0	64.4	53.2	41.6	31.3	48.6
1875...	20.1	22.3	31.4	42.6	57.9	66.7	72.1	71.0	60.6	50.2	35.0	29.6	46.6
1876...	30.7	27.4	33.4	43.9	54.6	68.8	74.0	70.2	59.9	48.2	41.4	22.2	47.9
1877...	24.8	34.2	34.9	44.2	55.0	66.8	71.1	72.2	65.2	52.0	44.2	36.4	50.1
1878...	28.0	30.6	39.6	48.2	56.5	64.6	73.7	69.7	64.2	56.1	40.8	30.3	50.2
1879...	24.2	24.6	33.6	42.4	60.2	64.8	70.8	69.3	62.0	57.6	38.8	32.3	48.4
1880...	34.6	31.8	33.2	46.4	63.7	68.6	71.8	70.8	65.2	52.2	38.2	26.7	50.3
1881...	22.0	27.9	37.2	43.6	56.6	61.7	70.2	71.4	67.6	54.4	43.6	39.0	49.6
1882...	26.0	30.4	36.0	42.8	50.6	66.8	73.2	71.5	64.0	55.4	39.0	30.4	48.8
1883...	24.4	28.8	30.8	45.2	56.5	70.1	71.7	68.2	59.8	47.7	42.8	29.1	47.9
1884...	24.1	31.2	34.2	43.8	54.8	67.2	68.6	69.7	66.9	52.6	41.4	33.8	49.0
1885...	27.4	20.6	27.6	47.2	53.2	66.8	71.8	67.8	60.1	51.6	44.0	32.7	47.6
1886...	25.8	26.6	33.3	48.6	56.8	63.2	71.2	68.2	63.1	52.0	43.2	28.4	48.4
1887...	25.0	28.7	31.5	44.2	59.6	65.2	74.6	67.6	59.8	51.5	42.2	32.4	48.5
1888...	20.1	28.3	32.2	42.6	53.0	66.8	68.8	70.2	59.8	47.8	43.8	34.6	47.3
1889...	35.8	26.0	38.2	47.8	60.3	69.2	69.4	67.4	62.8	48.5	44.6	38.0	50.7
1890...	32.4	33.2	34.9	46.3	57.0	64.2	71.0	68.9	62.9	51.0	41.8	26.0	49.1
1891...	31.1	32.0	33.6	48.0	55.8	65.0	69.0	70.0	66.7	51.6	41.4	40.4	50.4
1892...	28.3	28.4	32.9	48.4	55.9	69.6	73.0	70.2	62.5	52.7	41.2	29.9	49.4
1893...	20.7	26.8	32.8	44.4	56.3	64.8	71.4	69.6	60.0	54.8	42.2	30.4	47.9
1894...	30.1	26.6	42.5	47.0	57.6	68.8	73.7	68.0	64.8	54.0	38.2	32.2	50.3
1895...	28.8	24.6	34.6	46.0	60.2	66.8	69.3	71.0	65.7	49.6	45.4	35.6	49.8
1896...	24.9	28.7	32.0	47.2	60.3	66.1	71.8	70.7	62.2	50.2	46.5	30.4	49.2
1897...	28.4	30.9	36.9	49.0	57.6	62.3	71.6	69.6	63.1	54.4	41.4	34.0	49.9
1898...	28.7	32.8	42.8	43.8	55.8	65.8	71.8	73.1	66.2	54.2	42.0	32.0	50.8
1899...	29.0	26.8	34.0	48.1	57.8	70.0	72.6	68.8	62.0	54.5	42.1	36.2	50.2
1900...	30.0	29.3	34.0	48.6	55.2	68.6	73.8	71.1	65.0	56.6	44.6	34.4	50.8
1901...	27.6	24.2	36.2	43.5	54.3	68.2	73.4	70.7	65.4	54.4	37.2	32.4	49.0
1902...	26.6	28.8	43.4	48.4	57.6	64.3	67.8	67.6	62.6	53.6	46.2	28.5	49.6
1903...	26.8	31.4	44.4	47.8	58.5	59.8	71.4	65.0	64.4	53.9	40.0	29.0	49.4
1904...	21.6	22.6	34.6	44.6	60.8	64.0	71.4	68.7	62.5	50.6	38.2	25.8	47.1
1905...	25.1	23.4	37.2	46.8	57.6	65.2	73.2	68.6	62.0	53.6	41.6	35.1	49.1
1906...	35.7	29.7	32.4	47.2	58.0	66.4	70.1	72.0	65.0	52.5	41.7	29.1	50.0
1907...	27.0	21.6	37.9	43.4	52.4	65.1	72.4	69.6	64.4	49.8	43.2	37.2	48.7
1908...	31.0	26.8	38.6	46.8	59.0	69.8	74.1	69.4	65.8	55.4	43.6	33.3	51.2
1909...	30.3	32.6	36.8	47.8	55.8	69.4	71.5	69.4	62.6	52.8	46.4	30.8	50.5
1910...	32.0	29.5	42.0	51.6	57.6	65.2	74.9	68.8	62.8	56.0	41.2	27.5	50.8
1911...	31.8	27.0	35.4	46.1	62.4	65.6	77.1	69.0	62.6	52.6	41.8	39.4	50.9
1912...	21.4	27.7	36.0	47.4	58.6	68.0	73.2	69.0	63.7	57.4	45.6	38.5	50.5
1913...	39.2	27.7	42.4	48.0	55.2	67.5	73.8	70.8	62.0	56.4	46.5	37.8	52.3
1914...	28.7	24.3	36.7	45.3	60.4	67.3	68.6	70.4	64.6	57.0	42.7	30.4	49.7
1915...	33.0	33.2	35.8	50.8	56.6	63.9	70.1	69.1	66.8	55.7	45.4	34.2	51.2
1916...	33.0	25.5	30.6	45.6	58.6	62.6	72.6	71.8	65.0	55.5	42.6	32.6	49.7
1917...	30.2	25.8	37.2	44.0	59.7	65.8	73.3	72.8	60.2	51.9	39.4	23.7	47.9
1918...	21.0	26.9	36.7	47.8	63.3	63.9	71.0	70.4	61.2	56.2	45.0	34.7	49.8
1919...	33.2	32.6	40.8	46.9	59.1	67.2	74.0	68.8	63.9	55.1	42.8	28.7	51.1
1920...	21.0	27.6	39.2	45.0	54.6	65.8	72.4	72.0	65.2	69.8	41.7	35.6	50.0
1921...	32.1	32.6	46.2	51.8	58.0	68.2	73.2	69.8	68.5	55.2	41.6	31.4	52.4
1922...	27.2	32.0	39.8	45.7	61.4	68.6	72.0	70.4	65.2	55.1	43.8	30.9	51.3
1923...	27.0	23.4	33.9	48.2	57.6	69.3	70.0	69.4	64.2	55.5	44.6	40.4	50.3
1924...	31.9	26.6	37.4	47.2	56.2	66.6	73.8	71.8	62.2	54.6	44.6	31.1	50.3
1925...	27.2	38.0	43.0	49.8	57.4	70.9	72.4	71.2	64.0	49.3	43.6	33.6	51.7
1926...	31.0	27.8	34.2	44.8	56.0	64.3	70.5	70.4	62.4	53.4	44.2	28.6	49.0
1927...	30.6	32.6	41.6	48.3	55.2	65.0	72.2	67.4	65.0	57.9	49.6	36.0	51.8
1928...	33.0	29.6	37.0	46.8	55.4	65.0	73.2	73.6	62.4	56.6	44.8	38.5	51.3
1929...	29.0	31.7	41.4	47.1	61.0	68.4	72.6	69.3	65.2	53.2	44.7	32.6	51.4
1930...	31.8	34.1	38.3	47.6	59.4	72.4	72.6	70.5	69.4	53.0	45.0	33.2	52.3
1931...	30.6	30.6	39.3	50.2	60.3	67.2	74.0	72.2	66.9	58.5	49.4	36.6	53.0
1932...	38.8	30.6	35.6	47.4	60.2	66.4	72.8	74.0	65.2	57.1	42.8	38.1	52.4
1933...	37.8	33.7	35.7	46.5	61.6	60.6	70.8	71.8	65.8	52.7	38.3	26.8	50.9
1934...	29.6	17.5	35.1	48.0	60.6	66.9	73.2	67.3	64.6	49.6	45.6	28.4	48.9
1935...	23.2	27.8	38.4	45.2	55.5	65.5	72.6	70.7	61.4	53.8	45.4	27.1	48.9
1936...	28.2	22.8	41.8	45.2	60.6	66.2	71.1	69.7	62.6	54.4	39.5	35.0	49.7
1937...	37.4	33.2	34.1	45.2	59.1	66.4	73.2	74.6	63.0	52.6	44.0	31.2	51.2
1938...	28.0	30.6	39.1	48.7	55.8	67.2	71.8	73.6	62.2	56.0	46.4	34.0	51.1
1939...	27.8	32.2	33.2	43.6	56.4	65.6	72.3	73.8	64.5	54.2	40.8	33.4	49.8
1940...	23.0	29.6	33.1	43.6	56.2	65.1	71.6	68.4	63.3	50.6	42.9	34.3	48.5
1941...	25.2	29.4	33.4	51.6	59.8	68.2	71.4	70.6	66.0	55.9	48.0	35.2	51.2
1942...	28.6	27.0	40.8	49.7	60.8	67.4	71.1	70.7	64.6	55.8	43.5	28.6	50.7
M'ns	28.5	28.5	36.4	46.5	57.3	66.6	72.1	70.2	63.7	53.6	42.6	32.3	49.9

NOTE.—Bold-face figures indicate highest and lowest monthly means.

SEASONAL SNOWFALL.

Years	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Season
1871-2	o	T.	12.3	3.4	11.3	17.3	o	o	44.3
1872-3	o	0.3	23.7	11.6	8.3	5.2	T.	T.	49.1
1873-4	o	7.5	13.7	20.3	22.7	3.9	25.3	o	96.4
1874-5	o	T.	5.7	10.4	0.3	27.3	6.3	o	50.0
1875-6	o	T.	1.1	0.5	5.4	3.0	T.	o	10.0
1876-7	o	0.3	9.0	17.5	T.	15.5	T.	o	42.3
1877-8	T.	T.	0.8	14.3	12.6	T.	o	o	27.7
1878-9	o	0.3	1.2	18.2	11.9	7.8	4.0	o	43.4
1879-0	o	6.0	18.6	3.2	11.4	15.0	o	o	54.2
1880-1	o	0.8	19.2	20.5	9.0	3.1	4.2	o	56.8
1881-2	o	1.5	T.	15.4	17.9	5.6	o	o	40.4
1882-3	o	10.0	6.0	9.6	9.0	4.3	T.	o	38.9
1883-4	o	T.	24.4	11.9	12.5	7.7	9.5	o	66.0
1884-5	0.5	4.8	2.3	3.9	3.3	9.5	T.	o	24.3
1885-6	o	0.5	5.5	21.5	4.0	4.5	T.	o	36.0
1886-7	o	T.	18.5	16.0	12.0	11.5	15.0	o	73.0
1887-8	o	T.	6.5	13.1	9.6	12.0	T.	T.	41.2
1888-9	o	4.8	T.	4.5	7.5	2.2	o	o	19.0
1889-0	o	T.	4.0	8.5	6.3	20.3	o	o	39.1
1890-1	o	T.	14.5	14.8	13.8	16.2	T.	o	59.3
1891-2	T.	o	T.	12.0	11.5	20.0	o	o	43.5
1892-3	o	3.0	2.0	14.6	35.3	4.5	7.9	o	67.3
1893-4	o	0.4	18.5	15.0	21.6	T.	8.5	o	64.0
1894-5	o	6.7	13.5	13.9	8.8	3.8	0.5	o	47.2
1895-6	o	T.	5.2	9.5	9.5	14.5	0.2	o	38.9
1896-7	o	2.2	8.6	18.2	10.9	3.3	T.	o	43.2
1897-8	o	8.1	7.8	16.3	11.5	6.0	2.2	o	51.9
1898-9	o	17.8	7.7	6.1	30.2	9.3	T.	o	71.1
1899-0	T.	0.1	T.	8.3	9.0	7.6	o	T.	25.0
1900-1	o	0.1	0.8	7.8	8.8	T.	o	o	17.5
1901-2	o	o	12.6	11.0	13.0	7.5	T.	o	44.1
1902-3	T.	T.	22.8	4.2	14.7	0.3	T.	o	42.0
1903-4	o	o	10.6	35.7	16.5	8.9	1.4	o	73.1
1904-5	T.	T.	12.0	21.3	8.0	3.6	T.	o	44.9
1905-6	o	T.	3.5	6.1	6.1	21.9	T.	o	37.6
1906-7	o	1.1	15.5	16.1	25.5	6.6	3.1	T.	67.9
1907-8	o	o	7.0	4.3	9.3	4.8	0.8	o	26.2
1908-9	o	T.	3.5	11.2	2.3	3.1	o	o	20.1
1909-0	T.	T.	12.3	11.9	12.6	0.2	o	o	37.0
1910-1	o	1.4	8.2	0.7	19.5	3.1	7.7	o	40.6
1911-2	o	0.3	3.7	17.8	0.2	9.1	0.5	o	31.6
1912-3	o	0.3	9.2	0.3	7.7	0.5	1.4	o	19.4
1913-4	0.4	T.	0.9	10.3	20.6	5.2	2.0	o	39.4
1914-5	T.	T.	4.1	7.0	5.1	T.	6.1	o	22.3
1915-6	o	0.2	6.7	4.8	30.3	33.0	4.2	o	79.2
1916-7	o	0.7	9.5	13.1	8.9	12.9	9.1	T.	54.2
1917-8	o	2.2	7.0	13.8	5.7	12.8	4.2	o	45.7
1918-9	o	T.	8.4	4.1	6.2	2.4	T.	o	21.1
1919-0	o	0.2	2.9	24.8	32.5	11.0	2.0	T.	73.4
1920-1	o	1.8	5.5	3.6	23.2	T.	T.	o	34.1
1921-2	o	1.6	4.4	2.7	15.5	10.1	3.3	o	37.6
1922-3	o	0.9	14.7	28.0	14.3	10.6	T.	o	63.5
1923-4	o	T.	3.0	8.5	10.4	7.4	3.0	o	32.3
1924-5	o	0.5	0.2	20.7	T.	T.	T.	o	21.4
1925-6	T.	T.	0.5	7.4	27.6	2.8	T.	o	38.3
1926-7	o	T.	24.2	16.1	19.2	0.6	0.2	o	60.3
1927-8	o	0.5	T.	5.1	8.7	6.5	T.	o	20.8
1928-9	T.	1.4	4.6	13.5	21.4	4.0	0.6	o	45.5
1929-0	o	3.0	10.6	7.7	9.5	0.6	T.	o	31.4
1930-1	T.	0.1	7.7	11.7	14.0	7.3	T.	o	40.8
1931-2	o	T.	1.4	6.2	10.8	5.8	T.	o	24.2
1932-3	o	T.	8.6	1.3	20.6	5.1	5.0	o	40.6
1933-4	o	2.9	15.6	0.8	32.9	10.5	T.	o	62.7
1934-5	T.	T.	1.6	26.7	13.1	2.1	1.9	o	45.4
1935-6	o	1.0	0.3	12.7	12.6	2.9	T.	o	29.5
1936-7	o	4.4	0.7	2.0	T.	1.9	T.	o	9.0
1937-8	o	0.3	4.6	29.6	10.0	0.3	0.9	o	45.7
1938-9	o	10.0	1.3	7.5	4.7	16.5	0.2	o	40.2
1939-0	o	1.0	6.5	4.6	23.8	0.3	1.5	o	37.7
1940-1	T.	8.5	4.5	20.4	1.3	13.1	o	T.	47.8
1941-2	T.	T.	0.2	8.2	6.2	7.9	1.5	o	24.0
1942-3	o	T.	6.8	.....	.....	.....	.....	.....	.....
Means	T.	1.7	7.5	11.6	12.5	7.4	2.1	T.	42.8

Hours of Sunshine

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1893...	.....	161	221	212	219	222	239	241	231	219	184	130	.....
1894...	135	159	222	208	260	286	340	275	216	165	143	148	2556
1895...	143	218	215	202	287	254	253	289	255	208	110	123	2557
1896...	155	167	208	246	263	260	235	262	191	132	110	184	2412
1897...	136	159	165	227	196	258	220	270	258	230	119	132	2370
1898...	164	142	194	174	198	234	252	242	266	171	126	153	2316
1899...	185	160	163	292	292	323	316	210	216	150	164	180	2652
1900...	154	146	237	234	232	311	320	261	225	146	120	142	2527
1901...	184	208	153	106	212	332	266	223	218	236	134	121	2349
1902...	152	170	187	175	295	295	253	304	190	196	120	142	2479
1903...	149	174	203	261	347	183	300	249	289	212	180	168	2715
1904...	151	164	197	211	281	249	277	262	229	184	141	107	2452
1905...	150	188	224	261	298	268	319	271	191	224	179	127	2700
1906...	144	192	223	254	307	293	289	292	271	173	130	81	2649
1907...	91	141	192	204	211	284	336	312	159	199	103	129	2363
1908...	171	186	196	254	267	366	314	255	243	206	166	138	2760
1909...	102	155	223	237	283	361	374	314	213	225	119	157	2763
1910...	123	171	259	236	233	259	338	282	208	210	101	127	2547
1911...	110	141	238	300	329	306	228	281	241	175	171	135	2764
1912...	136	202	238	234	281	390	339	301	224	226	170	160	2902
1913...	141	203	193	236	272	353	335	287	224	90	150	140	2623
1914...	106	192	166	217	252	279	254	201	274	209	148	122	2419
1915...	134	166	292	220	299	291	275	256	275	200	160	138	2705
1916...	149	144	228	206	274	278	260	306	275	232	160	167	2678
1917...	118	171	224	204	214	257	306	307	267	186	193	112	2558
1918...	165	170	248	250	311	304	271	264	207	165	143	110	2608
1919...	134	213	173	185	276	330	301	260	193	134	125	126	2451
1920...	147	143	237	183	252	238	343	246	226	228	88	152	2484
1921...	163	159	210	174	283	332	274	339	269	224	94	132	2659
1922...	172	114	178	248	332	251	294	224	252	214	139	96	2514
1923...	116	160	193	241	291	281	255	286	222	200	145	118	2512
1924...	162	199	234	224	225	289	347	275	222	251	171	122	2728
1925...	141	156	210	261	274	311	301	294	209	145	160	134	2596
1926...	106	126	211	236	283	270	268	200	215	196	160	130	2401
1927...	133	118	255	343	218	306	241	233	266	253	132	152	2651
1928...	191	201	247	279	262	249	293	242	193	230	105	171	2669
1929...	171	162	211	182	326	346	367	296	205	193	136	118	2712
1930...	113	181	236	293	271	306	274	294	275	195	155	130	2724
1931...	208	170	193	275	284	268	244	240	243	223	149	125	2622
1932...	96	137	222	257	338	291	343	339	268	174	165	150	2780
1933...	175	207	195	197	282	289	291	239	200	213	149	95	2537
1934...	118	183	237	278	311	287	286	241	120	187	130	140	2518
1935...	142	132	225	162	254	207	243	267	163	251	90	126	2265
1936...	175	167	204	192	320	289	369	254	212	198	148	115	2643
1937...	121	163	236	208	244	244	309	257	259	162	141	150	2492
1938...	121	114	176	233	279	302	242	326	213	178	160	126	2470
1939...	119	135	180	177	276	295	325	260	230	150	170	108	2425
1940...	174	153	214	197	221	275	293	305	224	213	96	93	2459
1941...	127	170	217	257	262	259	243	294	290	205	217	125	2666
1942...	181	188	183	214	160	208	262	281	214	215	129	110	2346
Aver'.	142	166	213	227	271	286	292	270	229	197	143	134	2570
Posble	295	†297	371	401	452	455	461	429	374	343	295	284	4457

† Leap years not considered.

EXTREMES OF BAROMETRIC PRESSURE, 1872-1942

Sea Level Pressure

MONTH	PRESSURE						
	Average	Maximum	Year	Day	Minimum	Year	Day
January.....	30.05	31.00	1920	31	28.67	1913	3
February.....	30.00	31.03	1920	1	28.69	1895	8
March.....	29.99	30.96	1904	5	28.45	1932	7
April.....	29.97	30.72	1911	12	28.86	1907	9
May.....	29.98	30.63	1936	22	29.11	1929	3
June.....	29.97	30.57	1884	15	29.26	1923	27
July.....	29.95	30.51	1892	7	29.21	1932	2
August.....	30.01	30.48	1934	31	29.26	1924	26
September.....	30.08	30.65	1888	7	29.09	1938	21
October.....	30.06	30.75	1879	3	28.97	1925	25
November.....	30.02	30.87	1932	28	28.73	1873	18
December.....	30.02	30.96	1887	1	28.49	1942	2
Average or Extremes.....	30.01	31.03	1920	Feb. 1	28.45	1932	Mar. 7

Maximum Amounts of Precipitation

Month	5 min's		10 min's		15 min's		30 min's		1 hour		2 hours		24 hours	
	Am't	Yr.	Am't	Yr.	Am't	Yr.	Am't	Yr.	Am't	Yr.	Am't	Yr.	Am't	Yr.
Jan...	.20	1942	.25	1936	.29	1936	.40	1936	.57	1919	.81	1919	3.25	1881
Febr..	.10	*1926	.14	*1918	.20	1920	.33	1920	.49	1920	.71	1920	4.45	1886
Mar..	.15	1913	.23	1913	.26	1913	.39	1913	.54	*1932	1.03	1932	3.04	1877
April..	.13	1936	.19	1921	.24	1920	.31	1920	.50	1931	.78	*1931	3.19	1921
May..	.55	1932	.62	1932	.63	1932	.65	1932	.69	1926	.94	1926	3.31	1920
June..	.42	1925	.72	1905	.75	1905	.97	1941	1.21	1942	1.80	1942	5.35	1875
July..	.50	1927	.67	1916	.85	1916	1.33	1916	1.62	1921	2.45	1915	6.04	1921
Aug..	.55	1908	.91	1908	1.12	1908	1.45	1908	1.80	1901	2.27	1917	4.99	1879
Sept..	.25	1902	.43	1927	.62	1927	1.01	1911	1.10	1904	1.74	1904	5.63	1933
Oct..	.34	1928	.54	1928	.67	1928	.86	1906	1.58	1906	1.74	1906	4.92	1895
Nov..	.21	1925	*.31	1932	.39	1927	*.62	1932	.83	1932	.94	1927	5.43	1876
Dec..	.15	1937	.21	1937	.26	1937	.45	1937	.81	1937	1.47	1937	3.36	1937
High- est	.55	*1932	.91	1908	1.12	1908	1.45	1908	1.80	1901	2.45	1915	6.04	1921

** 1871 to 1937, other data 1901 to 1937.

* Several occurrences.

MONTHLY AND ANNUAL PRECIPITATION.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	An'l.
1818..	2.64	3.49	4.05	6.15	5.96	3.47	4.08	0.46	7.81	2.11	1.91	0.86	42.99
1819..	0.70	2.27	6.21	3.74	3.06	3.56	2.02	4.38	5.29	1.40	1.22	1.63	35.48
1820..	3.12	4.25	4.90	0.45	5.08	3.42	4.19	5.15	2.43	5.39	3.00	2.80	44.18
1821..	1.41	4.42	2.53	4.90	4.84	2.79	2.35	1.58	4.73	2.29	3.12	1.93	36.89
1822..	1.29	2.34	2.02	2.99	0.78	3.54	4.32	1.20	2.15	2.53	2.58	1.46	27.20
1823..	3.00	4.57	7.72	2.21	6.40	0.93	5.74	1.98	1.95	3.95	1.92	6.93	47.30
1824..	3.95	5.99	1.81	4.72	1.43	1.60	0.88	3.68	6.43	1.01	1.72	2.80	36.02
1825..	2.79	3.43	4.70	0.37	1.36	4.77	1.24	5.62	2.66	3.21	0.81	4.38	35.34
1826..	2.55	1.48	3.81	1.50	0.25	3.85	2.90	12.10	3.03	3.80	2.31	3.56	41.14
1827..	3.92	2.97	2.51	4.75	5.34	2.56	2.59	4.88	4.81	5.28	5.71	3.59	48.91
1828..	2.15	2.79	1.84	2.00	4.67	1.59	4.58	0.37	3.82	2.79	5.55	0.26	32.41
1829..	4.93	5.62	4.30	3.45	2.71	1.64	6.98	4.95	2.62	1.65	5.74	2.26	46.85
1830..	2.36	1.63	3.51	1.21	3.93	3.46	4.90	2.64	5.65	2.38	5.32	5.96	42.95
1831..	4.44	3.68	3.07	6.97	3.65	4.32	5.53	5.57	3.83	4.42	3.20	2.93	51.61
1832..	4.47	3.74	2.65	5.56	7.27	0.50	3.41	6.14	2.07	2.46	3.57	4.85	46.69
1833..	2.96	2.53	2.71	2.30	1.03	3.23	2.01	0.82	2.88	6.00	5.53	5.86	37.86
1834..	1.39	1.13	0.96	2.93	6.33	3.09	7.71	2.47	3.71	4.62	2.90	2.36	39.60
1835..	3.25	1.37	4.27	4.54	2.07	2.74	9.07	2.89	1.31	1.87	2.08	2.40	37.86
1836..	8.84	3.57	2.90	1.58	1.85	4.33	2.12	1.53	0.54	4.04	5.43	4.13	40.86
1837..	4.10	4.14	3.02	3.07	5.79	2.98	1.80	1.67	0.56	1.58	2.35	2.46	33.52
1838..	3.07	2.77	3.09	2.62	3.32	2.55	1.20	4.26	9.87	5.02	3.95	0.80	42.52
1839..	0.98	3.11	1.18	7.73	4.27	2.25	3.32	5.70	2.00	2.50	1.71	6.35	41.10
1840..	3.12	2.57	4.55	4.60	2.23	2.78	2.93	4.00	2.12	4.48	11.63	4.15	49.16
1841..	6.00	1.60	3.50	8.82	1.90	1.95	2.10	4.20	2.86	3.80	4.55	5.77	47.05
1842..	0.80	3.20	3.35	3.50	2.90	5.30	1.82	4.44	3.25	0.80	4.45	5.30	39.11
1843..	2.20	6.08	6.17	3.88	1.60	4.61	2.15	6.88	0.98	4.82	3.40	3.92	46.69
1844..	3.68	2.42	6.00	0.20	2.72	1.40	2.17	2.62	3.53	5.80	3.15	3.85	37.54
1845..	4.58	4.25	3.83	1.23	2.82	2.05	3.28	1.82	2.23	4.00	10.25	5.98	46.32
1846..	3.12	2.95	2.73	1.23	2.02	2.25	2.51	1.80	1.30	1.35	4.17	4.52	29.95
1847..	3.28	4.70	4.77	2.20	2.03	4.09	2.65	6.45	6.64	1.05	5.12	3.95	46.93
1848..	2.30	3.90	4.05	1.40	6.30	1.73	1.35	3.10	3.55	5.10	2.25	5.95	40.98
1849..	0.35	1.15	7.35	0.90	3.10	1.45	0.85	6.25	1.25	8.10	5.50	4.05	40.30
1850..	4.59	2.52	5.32	4.82	6.63	2.77	2.70	5.30	7.15	2.10	3.32	6.76	53.98
1851..	1.30	4.20	3.88	9.37	3.31	1.80	3.09	1.27	3.50	4.43	5.51	2.65	44.31
1852..	4.85	2.85	4.45	10.18	1.95	2.35	3.28	7.63	1.65	2.19	3.47	3.09	47.94
1853..	2.44	5.30	2.27	3.78	5.63	0.30	3.64	9.40	3.80	3.92	4.43	3.95	48.86
1854..	2.01	4.87	2.84	6.63	4.33	2.47	3.70	0.58	3.86	2.08	6.80	4.64	45.71
1855..	7.22	4.67	1.18	4.28	1.20	3.09	4.15	1.46	1.13	4.61	5.27	5.93	44.19
1856..	5.32	0.80	1.33	4.37	7.10	2.90	4.02	11.11	4.90	2.70	3.33	4.28	52.16
1857..	5.36	2.45	3.09	10.33	5.57	2.02	5.53	7.18	2.56	4.50	2.52	5.26	56.87
1858..	3.28	2.30	2.18	5.18	3.89	8.09	4.56	7.03	5.02	3.03	3.38	4.73	52.67
1859..	5.93	4.05	7.64	3.36	3.63	7.89	1.58	4.72	4.40	3.28	3.75	6.47	56.70
1860..	1.89	3.85	2.19	1.73	2.35	8.01	5.90	4.30	7.35	2.66	5.37	5.86	51.47
1861..	6.04	3.57	7.48	5.89	2.97	3.64	2.76	6.04	1.77	2.66	4.90	2.35	50.06
1862..	8.30	3.29	4.70	1.97	2.70	6.78	7.33	4.20	5.61	4.85	8.32	3.01	61.06
1863..	4.51	4.54	6.42	9.08	2.82	2.56	12.38	5.61	3.12	3.83	6.48	6.34	67.72
1864..	3.87	1.43	11.75	4.72	3.31	1.47	1.90	4.17	2.60	4.80	4.00	5.28	49.30
1865..	4.47	5.08	4.83	2.57	6.90	2.83	4.26	1.42	0.62	6.21	4.46	4.18	47.83
1866..	3.73	5.28	4.70	2.03	5.04	3.41	5.42	3.87	5.90	2.72	3.74	4.86	50.70
1867..	6.06	6.55	6.12	2.52	4.11	2.74	4.76	10.78	0.44	6.76	2.32	2.48	55.64
1868..	6.09	1.88	5.04	6.94	10.38	3.79	1.10	7.53	11.95	1.78	5.31	2.32	64.11
1869..	4.03	9.98	8.74	2.05	6.88	4.44	3.30	2.19	5.18	6.71	3.74	9.04	66.28
1870..	8.16	7.03	4.88	8.42	2.58	7.59	4.01	1.57	0.67	6.80	4.40	3.62	59.73
1871..	0.92	2.63	4.55	3.79	4.34	5.55	3.22	3.08	1.30	5.88	6.42	3.38	45.06
1872..	2.11	2.31	4.05	1.31	3.20	4.84	4.00	10.68	6.04	4.85	3.66	3.09	50.23
1873..	5.76	3.21	3.76	3.83	5.16	0.54	3.84	6.21	2.91	5.33	8.34	5.64	54.53

MONTHLY AND ANNUAL PRECIPITATION—Continued.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Anl.
1874	4.32	3.41	1.60	7.97	3.71	3.94	3.47	6.67	2.05	1.39	2.85	2.14	43.52
1875	3.68	3.74	5.04	4.92	3.76	7.25	3.93	3.50	3.12	4.99	5.47	0.75	50.15
1876	1.87	4.51	7.19	3.61	2.70	1.72	5.86	1.23	3.84	1.66	11.03	3.71	48.96
1877	3.33	0.45	9.79	4.19	3.38	3.21	2.27	4.49	0.60	8.84	9.62	1.32	51.49
1878	7.60	4.40	5.91	6.14	1.03	2.28	4.58	7.66	3.47	6.76	8.94	6.76	65.53
1879	2.79	4.35	3.90	6.58	0.97	6.24	3.09	6.71	1.84	0.91	2.97	4.22	44.57
1880	3.72	4.11	3.25	2.85	1.63	0.75	6.86	2.90	2.36	3.15	2.30	3.42	37.30
1881	7.21	4.89	9.86	1.66	4.16	7.79	2.96	1.23	2.50	2.84	3.73	3.80	52.63
1882	3.68	4.77	3.35	2.50	6.05	1.03	3.91	1.46	10.93	2.29	1.20	2.65	43.82
1883	3.59	2.74	2.33	2.83	5.11	2.07	2.73	0.39	1.50	6.40	2.08	3.71	35.48
1884	6.27	5.74	4.86	4.76	3.31	4.01	4.25	5.01	0.31	3.17	3.03	4.46	49.18
1885	5.33	3.00	1.15	3.30	4.26	3.70	1.44	7.64	1.70	5.71	5.78	2.09	45.10
1886	7.08	7.04	3.20	1.70	3.08	1.34	1.81	3.64	2.73	3.27	3.59	3.66	42.14
1887	4.86	3.69	3.86	2.62	1.67	1.98	3.59	3.05	0.97	2.53	2.22	2.71	33.75
1888	2.26	2.36	3.32	2.04	5.20	2.69	1.79	6.53	6.77	3.58	4.97	4.38	45.89
1889	4.11	1.54	1.19	3.07	4.15	2.77	5.80	3.95	3.19	3.31	4.91	1.83	39.82
1890	2.00	2.29	5.88	2.29	4.48	2.21	1.93	2.70	5.04	5.63	0.97	3.72	39.74
1891	4.39	3.66	3.94	1.71	1.56	3.06	3.73	3.87	2.29	5.56	2.35	3.58	39.70
1892	4.62	2.15	3.91	0.93	5.15	3.05	2.56	4.87	1.90	2.31	4.45	1.12	37.02
1893	2.56	6.22	2.80	3.13	5.23	2.20	1.72	6.46	1.59	2.94	1.83	5.16	41.84
1894	3.01	3.15	1.01	3.78	4.12	0.80	3.09	3.03	2.14	5.11	3.10	4.28	36.62
1895	3.79	1.11	2.72	3.65	2.71	1.73	2.98	3.24	1.53	6.19	8.07	2.45	40.17
1896	2.25	3.94	5.41	1.56	1.68	2.71	2.90	2.15	6.40	3.15	3.70	1.70	37.55
1897	3.16	2.12	2.79	3.17	4.00	4.46	4.22	3.95	2.38	0.41	6.19	3.92	40.77
1898	3.50	4.81	1.82	6.39	4.33	1.60	4.42	6.38	1.93	7.17	5.32	2.19	49.86
1899	4.19	3.03	5.95	1.29	0.81	2.86	2.52	2.52	5.09	2.40	2.51	1.52	34.69
1900	4.20	6.83	4.60	1.90	5.07	1.85	2.69	2.46	4.62	3.41	4.17	2.25	44.05
1901	1.56	0.66	6.58	7.43	6.31	1.31	5.20	3.25	2.50	3.02	2.41	8.49	48.72
1902	1.65	4.19	5.29	2.87	1.07	1.77	2.88	2.20	2.08	4.36	1.09	4.48	33.93
1903	3.43	3.90	5.95	4.43	0.32	7.19	2.99	3.33	2.43	3.95	1.48	2.57	41.97
1904	4.80	2.49	2.43	9.14	3.38	2.06	1.23	2.19	5.57	2.13	1.70	2.52	39.64
1905	4.09	1.59	2.25	2.14	1.47	5.23	1.00	3.39	5.10	0.82	1.77	3.23	32.08
1906	2.96	2.66	5.45	2.15	4.91	2.57	5.38	1.58	2.64	3.88	2.55	3.96	40.69
1907	2.54	1.88	1.66	3.31	3.12	2.56	1.09	1.10	7.43	2.54	6.02	4.31	37.56
1908	2.47	2.96	2.97	1.70	3.78	1.08	3.17	4.35	0.68	3.70	0.74	2.47	30.07
1909	3.94	4.71	3.28	3.92	2.33	4.45	0.97	3.55	5.15	1.07	4.11	3.19	40.67
1910	4.25	3.44	1.25	2.22	1.62	4.89	1.15	0.98	2.14	1.14	3.75	2.10	28.33
1911	2.28	2.85	2.95	2.28	0.35	3.67	4.65	4.17	2.95	2.27	4.29	3.07	35.78
1912	2.87	2.38	4.18	3.07	4.04	0.27	5.16	1.94	1.67	1.00	2.61	5.36	34.55
1913	2.38	2.99	4.81	4.77	3.22	0.64	2.69	2.86	2.51	6.04	2.15	3.05	38.11
1914	3.26	3.07	4.16	5.87	2.78	1.40	2.64	3.20	0.21	1.54	2.72	3.46	34.31
1915	6.33	3.47	T.	1.86	1.64	1.39	8.85	5.63	0.69	2.82	2.14	3.94	38.76
1916	1.23	5.18	3.20	4.51	2.83	5.04	5.67	2.19	1.90	0.94	1.67	3.00	37.36
1917	2.82	2.67	3.73	2.72	4.45	4.05	1.70	7.06	1.91	5.33	0.59	2.56	38.99
1918	3.11	2.30	3.19	3.08	1.99	1.94	2.64	1.56	9.19	0.99	1.20	3.21	34.40
1919	3.62	2.66	4.11	2.33	4.25	1.08	4.63	5.07	5.83	2.13	5.36	1.63	42.70
1920	2.72	5.88	3.72	5.68	5.26	5.78	1.56	2.32	1.90	1.64	5.46	3.89	45.81
1921	2.24	2.64	1.92	4.62	3.64	3.58	11.69	1.63	1.22	1.24	6.19	2.35	42.96
1922	1.41	2.64	4.35	2.48	5.34	8.05	2.63	4.75	3.66	1.97	0.84	3.01	41.13
1923	6.07	1.18	2.49	5.26	0.83	2.03	3.36	1.86	0.38	3.37	2.78	4.98	34.89
1924	3.27	2.61	2.04	3.79	2.81	1.07	2.04	6.86	6.96	0.06	1.93	1.48	34.92
1925	3.97	1.55	5.21	2.48	2.07	4.59	3.54	1.40	3.45	4.03	3.66	5.20	41.15
1926	2.53	5.56	2.91	1.73	3.31	1.33	6.06	3.91	1.08	3.58	4.07	3.96	40.03
1927	2.67	3.28	1.19	1.36	2.50	2.43	4.77	6.73	2.43	3.77	4.71	5.23	41.07
1928	1.66	2.66	1.56	4.68	3.08	5.56	4.14	2.45	4.47	2.88	1.85	2.61	37.60
1929	3.82	3.78	2.80	7.52	2.82	2.30	1.35	2.22	0.76	2.38	3.01	4.43	37.19
1930	2.77	2.23	3.02	2.08	3.39	2.24	3.36	3.03	0.26	5.83	4.09	2.99	35.29
1931	4.09	4.21	4.66	3.12	4.51	9.13	2.43	4.45	1.67	2.18	0.82	2.90	44.17
1932	4.24	1.74	5.28	1.67	1.63	2.05	2.10	4.24	4.50	7.18	5.24	1.78	41.65
1933	2.04	3.77	6.80	7.37	2.74	1.22	2.63	3.41	10.94	3.11	0.65	2.93	47.61
1934	2.67	4.45	4.04	3.21	1.56	3.11	1.25	1.83	5.67	2.94	1.78	1.64	34.15
1935	6.13	3.26	1.52	4.77	1.35	5.07	1.10	2.14	2.69	0.34	3.91	0.66	32.94
1936	5.46	3.66	6.40	3.54	1.70	2.37	1.04	5.15	3.79	2.67	1.33	8.19	46.30
1937	3.93	1.31	3.57	5.34	2.52	3.47	1.17	4.97	3.69	3.95	4.66	5.09	43.67
1938	4.91	2.38	2.42	3.22	4.42	6.30	0.46	3.31	6.00	2.43	2.89	2.80	50.54
1939	2.18	3.79	5.23	4.54	1.29	2.70	0.75	2.14	1.01	4.77	1.14	2.91	32.45
1940	1.68	4.78	3.83	4.58	3.28	1.80	3.17	0.85	2.32	0.76	6.24	2.76	36.05
1941	4.21	1.70	3.40	1.70	2.43	4.29	2.90	1.55	1.18	1.92	2.40	3.19	30.87
1942	3.69	3.45	7.01	1.59	2.11	4.24	4.14	2.09	1.96	2.78	4.69	4.72	42.47
M's	*3.57	3.29	3.83	3.55	3.11	3.16	3.36	3.62	3.16	3.28	3.59	3.36	40.88
M's	†3.63	3.44	3.98	3.76	3.41	3.19	3.48	3.92	3.35	3.43	3.84	3.65	43.08

NOTE.—Bold-faced figures indicate greatest and least monthly and annual amounts. * Computed from the Weather Bureau records of 72 yrs. † Averages 125 yrs.

From 1818 to 1822, Dr. Enoch Hale; from 1823 to 1865, Jonathan P. Hall; from 1866 to 1870, Superintendent of Sewers.

KILLING FROSTS

Year	Latest date in spring	Earliest date in autumn	Year	Latest date in spring	Earliest date in autumn
1872.....	April 23	Nov. 5	1912.....	April 9	Oct. 16
1873.....	Mar. 30	Oct. 9	1913.....	April 10	Nov. 1
1874.....	May 3	Nov. 12	1914.....	April 14	Oct. 23
1875.....	April 22	Oct. 13	1915.....	April 4	Nov. 18
1876.....	April 10	Oct. 12	1916.....	April 9	Nov. 6
1877.....	April 19	Oct. 28	1917.....	April 11	Nov. 5
1878.....	Mar. 26	Nov. 3	1918.....	April 12	Nov. 12
1879.....	April 20	Sept. 26	1919.....	April 26	Oct. 30
1880.....	April 13	Oct. 25	1920.....	April 11	Nov. 11
1881.....	April 15	Oct. 5	1921.....	April 18	Oct. 26
1882.....	May 16	Nov. 3	1922.....	April 21	Oct. 19
1883.....	April 26	Oct. 6	1923.....	April 19	Nov. 1
1884.....	April 22	Oct. 19	1924.....	April 3	Oct. 23
1885.....	April 15	Nov. 1	1925.....	April 21	Oct. 28
1886.....	April 9	Oct. 17	1926.....	April 20	Nov. 5
1887.....	April 19	Oct. 26	1927.....	April 9	Nov. 8
1888.....	April 25	Sept. 30	1928.....	April 17	Oct. 27
1889.....	April 8	Oct. 17	1929.....	April 14	Nov. 22
1890.....	April 19	Oct. 22	1930.....	April 24	Oct. 21
1891.....	May 6	Oct. 25	1931.....	April 12	Nov. 7
1892.....	April 25	Oct. 27	1932.....	April 17	Nov. 4
1893.....	April 26	Oct. 17	1933.....	April 23	Oct. 26
1894.....	April 12	Oct. 16	1934.....	April 5	Oct. 13
1895.....	April 11	Oct. 11	1935.....	April 18	Oct. 8
1896.....	April 9	Oct. 9	1936.....	May 16	Oct. 13
1897.....	April 21	Oct. 31	1937.....	April 23	Oct. 15
1898.....	April 27	Oct. 17	1938.....	April 11	Nov. 16
1899.....	April 6	Oct. 3	1939.....	April 17	Oct. 18
1900.....	May 11	Oct. 20	1940.....	April 22	Oct. 19
1901.....	Mar. 31	Oct. 26	1941.....	April 12	Oct. 26
1902.....	Mar. 26	Oct. 22	1942.....	April 14	Sept. 29
1903.....	April 6	Oct. 22			
1904.....	April 20	Oct. 28			
1905.....	April 19	Oct. 26			
1906.....	April 3	Oct. 12			
1907.....	April 21	Oct. 22			
1908.....	April 21	Nov. 2			
1909.....	April 29	Oct. 20			
1910.....	Mar. 19	Oct. 31			
1911.....	April 18	Oct. 8			

Average date last killing frost in spring, April 16. Latest date, May 16, 1882 and 1936.
Average date first killing frost in autumn, October 24. Earliest, September 26, 1879.

Prevailing Wind Movement

Wind		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
North	{ per cent of time.	11	9	8	9	7	6	5	7	9	9	11	10	.....
	{ hourly velocity..	10	11	10	10	9	9	8	8	8	9	10	11	.....
Northeast	{ per cent of time.	4	6	7	11	11	9	6	6	7	8	6	4	.....
	{ hourly velocity..	11	10	10	9	8	8	6	7	8	8	8	9	.....
East.....	{ per cent of time.	4	6	10	14	17	16	13	15	12	8	5	4	.....
	{ hourly velocity..	11	9	9	10	8	8	6	7	7	7	10	9	.....
Southeast.	{ per cent of time.	4	4	6	5	6	5	5	7	6	5	4	4	.....
	{ hourly velocity..	8	8	8	8	8	7	6	6	7	7	10	8	.....
South	{ per cent of time.	6	7	8	7	10	9	9	9	9	7	6	.....	.....
	{ hourly velocity..	9	8	11	11	10	9	9	8	10	9	10	10	.....
Southwest	{ per cent of time.	20	15	17	16	20	25	30	24	23	20	21	20	.....
	{ hourly velocity..	11	10	10	11	9	10	9	9	9	10	10	10	.....
West.....	{ per cent of time.	29	29	23	20	17	20	21	19	18	22	25	30	.....
	{ hourly velocity..	12	12	12	12	10	10	8	9	9	10	11	12	.....
Northwest	{ per cent of time.	22	24	21	18	12	10	11	13	16	19	21	22	.....
	{ hourly velocity..	12	12	12	11	10	8	8	8	9	10	10	11	.....
Prevailing direction.....		w.	w.	w.	w.	sw.	sw.	sw.	sw.	sw.	w.	w.	w.	w.
Average hourly velocity.....		11	12	12	11	10	10	9	9	9	10	11	11	10

Based on 24 years records: anemometer elevation 188 feet above ground.

Daily Maximum Temperature, 1942

Date	January	February	March	April	May	June	July	August	September	October	November	December
1.....	40	46	48	50	69	65	84	87	83	66	71	44
2.....	60	25	48	62	74	62	72	80	91	57	60	59
3.....	39	16	47	63	85	55	73	85	88	59	56	35
4.....	36	28	45	46	85	64	88	81	65	63	46	36
5.....	34	32	53	60	71	78	87	76	78	69	50	37
6.....	24	37	41	72	63	76	88	72	70	69	62	40
7.....	18	40	49	58	50	79	76	78	75	70	51	39
8.....	10	39	65	56	55	72	80	75	73	73	48	37
9.....	24	30	61	45	59	78	74	66	62	82	49	33
10.....	24	34	44	40	67	88	72	71	71	65	64	41
11.....	26	31	53	37	67	89	66	87	62	72	52	45
12.....	34	23	49	47	67	88	83	79	67	57	43	47
13.....	35	28	52	52	85	91	88	72	80	59	53	34
14.....	42	35	38	59	54	83	93	78	78	60	32	27
15.....	42	40	37	71	58	67	79	85	87	66	38	33
16.....	32	37	42	50	72	66	79	87	87	59	59	32
17.....	33	43	41	70	70	57	72	87	83	59	66	20
18.....	52	44	53	60	58	65	71	81	74	57	59	24
19.....	49	33	47	53	70	84	89	84	74	60	56	15
20.....	46	22	51	46	76	81	91	85	74	55	70	8
21.....	39	20	42	49	66	67	79	92	56	65	58	13
22.....	38	32	50	61	63	83	74	91	67	70	37	39
23.....	46	38	43	63	70	76	75	88	66	71	41	43
24.....	51	38	46	69	77	78	86	72	74	62	45	40
25.....	34	40	47	75	71	74	88	69	69	55	48	46
26.....	34	38	47	65	66	80	76	67	64	61	45	35
27.....	44	40	50	48	77	77	68	67	78	52	45	29
28.....	38	42	42	63	69	78	76	75	58	55	36	37
29.....	29	.....	44	79	83	78	75	70	53	62	46	36
30.....	31	.....	40	86	88	84	68	68	58	67	45	50
31.....	44	.....	51	.....	68	.....	74	75	.....	72	.....	43
Mean	36.4	34.3	47.3	58.5	69.5	75.4	78.8	78.4	72.2	63.5	51.0	35.4

Maximum temperature for year 93°, July 14th.

Daily Minimum Temperature, 1942

Date	January	February	March	April	May	June	July	August	September	October	November	December
1.....	34	24	35	37	53	54	66	64	61	46	46	29
2.....	36	8	35	40	50	54	64	65	66	46	42	26
3.....	32	1	34	42	53	51	61	67	64	40	37	24
4.....	25	8	38	36	60	53	61	62	60	43	35	23
5.....	24	21	34	35	50	58	69	59	59	55	33	27
6.....	11	32	34	47	45	57	63	57	52	52	45	32
7.....	10	31	32	39	44	63	61	60	54	48	42	31
8.....	1	20	39	39	44	59	62	61	62	50	37	27
9.....	7	16	39	37	47	58	59	64	57	55	36	24
10.....	5	17	33	32	48	60	58	60	58	53	41	26
11.....	3	17	33	32	44	66	60	68	59	48	34	38
12.....	15	14	34	34	48	73	53	68	60	47	31	34
13.....	12	12	33	35	49	72	65	66	63	45	32	22
14.....	12	21	32	37	48	63	71	67	58	45	23	13
15.....	27	23	31	47	47	59	65	71	62	54	20	25
16.....	4	26	33	42	51	52	60	73	67	51	37	2
17.....	4	34	34	42	57	49	63	72	66	51	41	-3
18.....	32	30	37	44	53	48	63	70	64	45	50	14
19.....	37	13	35	40	54	59	62	64	63	46	44	-7
20.....	35	10	33	40	56	61	70	67	56	42	45	-11
21.....	30	10	32	40	54	61	63	71	51	44	28	-5
22.....	24	17	38	40	54	63	61	74	51	59	26	7
23.....	27	21	34	47	55	61	62	68	53	56	26	36
24.....	34	19	32	50	60	59	65	56	54	52	36	36
25.....	29	24	33	52	56	58	71	51	54	50	42	35
26.....	28	24	38	44	53	60	65	50	52	49	43	22
27.....	26	26	36	39	54	63	65	52	58	40	32	20
28.....	29	31	33	38	52	61	66	58	44	36	31	29
29.....	13	.....	30	40	55	63	67	60	39	40	30	33
30.....	10	.....	32	59	65	64	61	56	39	48	34	36
31.....	26	.....	36	.....	54	.....	59	53	.....	56	.....	29
Mean	20.7	19.8	34.3	40.9	52.0	59.4	63.4	63.0	56.9	48.1	36.0	21.7

Minimum temperature for year -11°, December 20th.

Daily Precipitation, 1942

Day	January	February	March	April	May	June	July	August	September	October	November	December
1.....	*.05	T.	.....	.01	.....	.....	.....	T.	.....	.....	.35	.39
2.....	.40	.....	.....	.....	.....	T.	.69	T.	.....	.....	*.58	*1.00
3.....	.....	.....	1.40	.....	T.	.04	.83	.....	T.	.....	.....	* T.
4.....	*.76	.....	T.	.07	.05	.04	.....	.....	.03	.02	.....	.....
5.....	* T.	*.41	.....	.....	.....	.02	.....	.....	.....	.15	.....	* T.
6.....	.....	*.82	*.55	.....	.22	T.	.31	.....	.....	.32	T.	.....
7.....	.....	1.39	.....	.01	.67	1.02	.....	.....	.....	.....	.....	.....
8.....	.....	*.10	T.	.05	T.	.16	T.	.....	.02	.....	T.	.....
9.....	.....	.....	1.33	.....	.....	.....	.....	.69	1.10	.....	.....	* T.
10.....	*.21	.....	* T.	*.52	T.	.....	.....	T.	.02	.....	.64	.....
11.....	* T.	.....	.....	*.26	.....	T.	.13	.....	.01	.....	.....	T.
12.....	.....	.....	.15	* T.	.07	T.	.....	.....	.01	.....	* T.	.....
13.....	.....	.....	.....	T.	.06	.....	.....	.42	T.	.....	*.09	*.48
14.....	.....	.....	*.79	.....	T.	.04	.06	.65	.....	.....	.....	* T.
15.....	.....	.....	*.25	.22	T.	.25	.....	.....	.01	T.	.....	* T.
16.....	* T.	.21	.23	.09	T.	.01	.....	.....	.....	.....	.....	*.07
17.....	.....	.49	1.40	T.	.21	.21	.....	.29	.....	.01	.....	*.05
18.....	.....	.....	.....	.16	.18	.17	.10	.02	.....	1.11	.36	*.10
19.....	1.81	* T.	.....	T.	T.	1.54	T.	.....	T.	.....	.....	.....
20.....	T.	* T.	.....	.06	T.	.27	.04	.....	.28	.....	T.	.....
21.....	.....	* T.	.10	.14	.30	.10	.....	.....	.01	.69	.54	.....
22.....	.....	* T.	.46	.....	T.	.....	.....	T.	.....	.38	.....	.08
23.....	.....	.....	* T.	.....	.07	.34	.....	T.	.....	T.	.....	T.
24.....	.....	.....	.....	.....	T.	.....	.....	.01	T.	.02	.64	.....
25.....	.....	.....	.....	.....	.....	.02	.....	.....	T.	.01	.98	.....
26.....	.....	* T.	.....	.....	.....	.....	.....	.....	T.	.07	.02	.....
27.....	*.03	.....	.....	.....	T.	.....	.66	.....	.27	.....	.24	.02
28.....	* T.	*.03	.....	.....	.....	.01	.09	.....	.20	.....	* T.	.72
29.....	.....	.....	.....	T.	.....	.....	1.11	.01	.....	.....	*.25	.24
30.....	.....	.....	*.34	.....	T.	.....	.05	.....	.....	.....	.....	1.57
31.....	*.43	.....	.01	.....	.28	.....	.07	.....	.....	.....	.....	.....
Total	3.69	3.45	7.01	1.59	2.11	4.24	4.14	2.09	1.96	2.78	4.69	4.72

T. indicates a trace. *Wholly or partly snow.

Daily Cloudiness, 1942

[Daylight hours; scale 0 to 10]

Day	January	February	March	April	May	June	July	August	September	October	November	December
1.....	8	8	8	6	7	9	9	5	0	2	10	10
2.....	8	1	8	1	3	10	10	7	0	1	3	8
3.....	1	0	10	7	7	10	8	4	5	4	10	8
4.....	10	3	7	7	9	10	9	6	10	4	1	1
5.....	9	10	10	10	1	6	5	6	5	10	1	5
6.....	0	10	10	7	7	5	5	3	1	4	9	5
7.....	3	10	4	9	10	10	2	4	7	1	4	6
8.....	1	10	5	7	9	5	6	7	10	0	10	1
9.....	8	0	10	10	7	2	3	10	10	4	3	10
10.....	10	7	6	10	6	4	7	10	8	3	9	7
11.....	7	6	1	10	1	6	10	4	10	6	7	10
12.....	4	2	8	7	8	6	4	10	10	3	9	7
13.....	1	3	0	6	7	4	3	10	2	5	7	10
14.....	2	8	10	6	10	9	5	10	3	10	2	1
15.....	7	2	10	10	8	10	2	6	4	6	2	10
16.....	1	7	6	5	8	8	6	8	4	9	7	10
17.....	0	9	10	5	10	10	9	9	1	8	5	1
18.....	7	0	7	5	10	8	10	8	7	9	8	3
19.....	10	5	9	10	9	5	8	2	9	4	3	2
20.....	7	5	0	10	9	4	8	0	10	9	9	6
21.....	7	6	10	10	10	10	7	4	10	6	10	1
22.....	7	8	8	1	10	9	3	8	4	8	2	9
23.....	6	4	9	0	9	9	7	8	3	9	3	5
24.....	4	0	5	1	7	2	4	6	2	7	10	10
25.....	10	4	4	1	3	5	6	1	0	10	10	4
26.....	10	4	7	4	4	4	7	2	7	10	10	1
27.....	3	6	6	0	6	5	10	1	10	1	10	10
28.....	10	9	2	3	9	7	10	9	5	1	5	10
29.....	0	.....	4	8	4	5	10	8	3	6	9	10
30.....	3	.....	10	4	7	3	10	2	1	6	4	10
31.....	10	.....	6	.....	8	.....	9	0	.....	7	.....	5
Mean	5.6	5.2	6.8	6.0	7.2	6.7	6.8	5.7	5.4	5.6	6.4	6.3

Note.—Clear (0 to 3). Partly cloudy (4 to 7). Cloudy (8 to 10).

C30
.16
:B74
943

THIRD FLOOR

U S. DEPARTMENT OF COMMERCE
WEATHER BUREAU

ANNUAL
METEOROLOGICAL
SUMMARY

WITH COMPARATIVE DATA

1943

BOSTON, MASS.

COMPILED BY
G. H. NOYES

Kirstein Business Library
APR 13 1944

BOSTON, MASS.

1944

W. B. Boston-1-21-44-1500

SUMMARY FOR YEAR 1943, BOSTON, MASS.

Month.	Temperature.			Relative humidity (per cent).			Precipitation.			Sun-shine		Wind.			Number of days.																			
	Extremes.			7:30 a. m. 1:30 p. m. 7:30 p. m.			Total.	Greatest in 24 hours.	Date.	Snowfall.	Number of hours.	Percent of possible.	Average hourly velocity.	Prevailing direction.	Highest.		Number of days.																	
															Monthl.	Minimum.	Maximum.	Date.	Lowest.	Date.	Direction.	Velocity.	Date.	Gales (32 miles per hour or over).	Clear.	Partly cloudy.	Cloudy.	With precipitation (0.01 in. or more).	Snow (.01 in. or more melted.)	Thunderstorms.	Dense fog.	Max. temp.		Min. temp.
	32° or below.	90° or above.	32° or below.																													0° or below.		
January...	31.6	19.4	25.5	47	25	3	22	74	58	66	3.74	1.53	28-29	26.4	133	45	13.0	w.	40	ne.	28	3	9	6	16	13	7	0	1	14	0	31	0	
February.	38.7	22.4	30.6	63	23	—14	15	72	58	64	1.23	0.49	6-7	4.5	166	56	13.6	w	40	sw.	28	2	8	9	11	10	3	0	0	7	0	20	2	
March.....	43.5	28.4	36.0	68	26	6	4	67	54	59	4.02	2.16	6-7	8.0	222	60	12.8	nw.	31	e.	6	0	8	6	17	11	2	0	4	4	0	20	0	
April.....	51.5	35.2	43.4	75	25	20	7	62	47	57	2.64	0.60	13-14	T.	240	60	13.8	nw.	37	ne.	19	6	5	14	11	15	0	3	0	0	7	0		
May	65.7	49.4	57.6	85	17	35	2	71	60	69	4.56	1.43	21-22	0	255	56	10.4	nw.	33	ne.	22	2	4	11	16	16	0	4	5	0	0	0	0	
June	81.4	60.9	71.2	97	25	49	8	69	50	64	1.49	0.65	17-18	0	315	69	11.1	sw.	27	ne.	16	0	6	16	8	11	0	4	0	7	0	0	0	
July	82.7	65.5	74.1	93	18	53	1	74	55	67	3.91	0.99	29-30	0	255	55	9.7	sw.	28	sw.	5	0	4	13	14	10	0	7	0	0	5	0	0	0
August....	78.9	63.1	71.0	94	2	56	27	74	56	69	1.28	0.76	13-14	0	241	56	9.8	sw.	28	sw.	13	0	10	9	12	9	0	2	1	0	3	0	0	0
September	70.6	55.3	63.0	85	16	44	19	78	59	72	1.41	0.41	22	0	192	51	10.6	ne.	31	ne.	30	0	7	8	15	8	0	1	3	0	0	0	0	0
October...	60.8	46.7	53.8	81	9	35	25	76	58	68	4.82	2.66	26-27	0	140	41	11.9	nw.	41	ne.	26	4	7	5	19	13	0	0	4	0	0	0	0	0
November	50.1	36.5	43.3	67	9	24	29	74	56	66	2.16	0.54	8-9	T.	158	54	11.6	nw	39	sw.	9	2	8	9	13	12	0	0	0	0	0	8	0	0
December.	37.9	21.2	29.6	52	9	0	24	54	46	51	0.99	0.69	26-27	0.3	155	55	12.4	nw.	44	nw.	11	4	12	7	12	7	1	0	0	6	0	25	1	
Year..	57.8	42.0	49.9	97	June 25	—14	Feb. 15	70	55	64	32.25	2.66	Oct. 26-27	39.2	2473	55	11.7	nw.	44	nw.	Dec. 11	23	88	113	164	135	13	21	18	31	15	111	3	

Elevation of instruments above ground: thermometers, 33 feet; rain-gage, 3 feet; anemometer 62 feet.

COMPARATIVE DATA AND EXTREMES

Month	Temperature				Precipitation				Relative humidity per cent		Sunshine		† Wind				Average number of days															
	Average daily maximum	Average daily minimum	Normal	Absolute highest	Absolute lowest	Year	Normal	Greatest in 24 hours	Year	Average snowfall	Greatest snowfall in 24 hours	Year	8 a. m.	Noon—local time	8 p. m.	Total hours	Percent	Average hourly velocity	Prevailing direction	Highest velocity	Direction highest velocity	Year	Clear	Partly cloudy	Cloudy	Rain, .01 or more	Snow (trace or more)	Thunderstorms	Dense fog	Max. temp. 90° or above	Minimum temp. 82° or below	Minimum temp. 60° or below
L'gth of record years—	59	59	46	62	62	62	50	65	65	71	69	69	40	40	60	60	51	60	60	60	60	60	60	63	63	60	31	38	38	59	59	59
Jan.....	35.8	20.0	27.9	70	1876	1882	3.61	3.25	1881	11.8	14.7	1897	72	63	70	143	48	12.4	w.	50	ne.	1886	9	9	13	12	11	1	0	0	26	1
Feb.....	36.6	21.0	28.8	68	1930	1934	3.37	4.45	1886	12.4	16.0	1921	71	61	66	166	56	12.7	w.	51	ne.	1940	10	8	10	10	10	1	0	24	1	
March...	43.4	27.8	35.6	83	1921	1872	3.57	3.04	1877	7.4	12.0	1892	70	58	68	212	57	12.9	w.	56	s.	1877	10	9	12	7	1	1	0	19		
April.....	54.5	38.3	46.4	89	1938	1874	3.34	3.19	1921	2.0	9.1	1917	69	57	68	227	57	12.1	w.	47	ne.	1891	9	10	11	11	3	1	0	4		
May.....	65.6	48.6	57.1	97	1880	1882	3.18	3.31	1929	T.	T.	.....	70	61	69	268	59	11.2	sw.	43	ne.	1938	9	12	10	11	2	1	0	0	
June.....	75.2	57.8	66.5	100	1925	1884	2.89	5.35	1875	0	0	.....	72	59	71	285	62	10.7	sw.	38	ne.	1941	10	9	11	10	0	3	1	2	0
July.....	80.1	63.3	71.7	104	1911	1879	3.49	6.04	1921	0	0	.....	71	61	72	291	63	10.3	sw.	47	sw.	1879	9	13	9	10	0	5	1	4	0
August...	77.8	62.0	69.9	98	1917	1940	3.62	4.99	1879	0	0	.....	76	61	77	270	63	9.9	sw.	38	s.	1893	11	11	9	10	0	4	1	2	0
Sept....	71.2	55.2	63.2	102	1881	1914	3.14	5.63	1933	0	0	.....	77	62	75	226	61	10.5	sw.	73	s.	1938	12	9	9	9	0	2	2	1	0
October.	61.6	45.5	53.6	90	1881	1936	3.15	4.92	1895	T.	0.5	1884	75	58	72	196	57	11.2	w.	48	s.	1937	11	10	10	9	3	2	0	1	0	
Nov.....	49.3	34.8	42.0	78	1931	1875	3.33	5.43	1876	1.7	12.0	1898	73	65	71	142	48	12.0	w.	56	ne.	1939	9	9	12	10	3	2	0	10		
Dec.....	39.6	25.4	32.5	69	1912	1933	3.45	3.36	1937	7.5	12.3	1909	74	62	69	131	46	12.2	w.	*47	se.	1942	9	9	13	11	1	1	0	22	1	
Year...	57.6	41.6	49.6	104	1911	1934	40.14	6.04	1921	42.8	16.0	1921	73	61	71	2561	57	11.5	w.	73	s.	1938	118	129	125	42	18	14	9	106	3	

† Anemometer, 62 feet above ground : October 1933 to December 1935, anemometer 360 feet, record not used. § Less than 1. * Has occurred on previous date.

Monthly and Annual Mean Temperatures

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug	Sept	Oct.	Nov.	Dec.	Anl.
1840..	20.0	30.8	34.4	48.4	55.6	66.2	71.8	70.3	59.9	49.5	36.6	24.7	47.4
1841..	27.9	22.3	33.1	41.1	53.2	67.4	69.8	68.5	62.3	44.6	36.4	30.0	46.4
1842..	27.2	31.6	37.4	44.4	51.7	62.6	72.7	67.5	58.2	47.9	34.8	23.5	46.6
1843..	29.7	16.8	25.4	43.5	54.5	64.2	69.2	69.9	60.6	47.5	34.3	26.9	45.2
1844..	15.4	24.6	33.8	48.4	57.4	65.1	68.2	67.8	64.0	45.5	34.3	27.0	46.0
1845..	27.2	27.6	36.2	46.3	56.6	68.1	72.1	71.3	60.2	51.8	44.3	25.6	48.9
1846..	27.4	21.3	38.2	49.5	55.8	65.0	71.6	70.2	66.7	51.2	43.2	27.4	49.0
1847..	26.4	25.9	30.8	42.0	53.4	64.7	73.0	68.1	61.0	47.7	44.1	34.8	47.7
1848..	29.1	24.7	32.2	45.5	57.8	64.8	70.2	69.6	58.6	49.8	36.2	34.4	47.7
1849..	21.0	18.4	35.8	43.5	52.5	67.7	71.6	69.2	60.0	49.2	45.0	28.9	46.9
1850..	27.2	29.4	32.6	42.4	51.4	67.2	71.6	67.0	61.0	51.4	41.0	25.2	47.3
1851..	25.5	29.9	36.2	44.5	55.5	64.8	71.4	68.0	61.1	52.9	34.8	22.9	47.3
1852..	20.8	27.4	32.9	41.0	56.8	67.4	72.4	66.6	62.1	50.4	38.3	35.0	47.6
1853..	25.8	29.2	35.8	45.1	56.4	66.8	70.6	67.5	61.2	47.8	39.6	26.4	47.7
1854..	23.9	23.5	32.4	42.3	58.7	65.6	74.4	68.4	61.5	52.5	41.2	24.4	47.4
1855..	28.4	20.2	32.3	44.1	53.4	65.5	72.2	67.3	61.4	51.5	40.0	28.6	47.1
1856..	16.8	20.9	27.0	44.0	52.6	68.1	72.7	67.2	63.0	51.1	38.7	24.0	45.5
1857..	15.2	33.6	32.9	41.8	54.7	63.4	71.6	68.2	62.0	51.3	41.3	33.2	47.4
1858..	30.9	22.2	31.6	45.2	52.9	67.8	69.9	66.6	61.8	53.0	35.3	28.0	47.1
1859..	25.4	28.5	38.6	42.9	58.1	64.2	69.7	68.0	58.8	46.5	42.0	24.4	47.3
1860..	27.7	25.8	38.4	44.2	56.1	65.4	68.1	69.5	59.7	50.8	43.4	26.6	48.0
1861..	23.0	32.6	35.0	44.3	54.5	65.9	71.9	67.6	62.0	54.2	38.4	30.6	48.3
1862..	22.0	22.7	32.7	44.0	58.3	63.6	69.3	70.1	60.1	53.0	40.0	27.6	47.0
1863..	28.8	25.1	27.2	44.2	59.1	65.3	73.2	73.2	60.3	51.9	42.3	25.7	48.0
1864..	25.0	27.4	34.4	42.1	56.4	67.8	73.6	73.3	60.1	47.8	39.6	27.4	47.9
1865..	16.8	24.2	37.9	49.6	58.1	73.1	73.4	71.1	66.7	48.2	40.2	29.6	49.1
1866..	22.4	27.9	32.8	47.8	53.4	66.1	74.4	65.5	62.0	49.6	41.6	27.2	47.6
1867..	18.6	32.2	30.8	44.7	53.1	66.9	69.2	70.4	60.0	50.9	38.7	23.1	46.6
1868..	22.0	20.1	32.3	42.1	50.8	64.2	73.6	69.7	59.9	46.4	36.5	25.6	45.3
1869..	27.9	28.9	26.6	43.6	54.0	64.2	70.8	67.6	62.3	48.7	36.4	28.4	46.6
1870..	32.7	24.5	30.0	46.6	57.6	68.5	72.9	71.8	62.7	53.3	41.1	32.6	49.5
M'ns.	24.5	25.8	33.2	44.5	55.2	66.1	71.5	68.9	61.3	49.9	39.3	27.7	47.3

These temperature records were made at the Astronomical Observatory of Harvard College, which is located on Concord Avenue and Bond Street, Cambridge, Mass., about three miles from the Weather Bureau station in Boston, Mass.

MISCELLANEOUS DATA FOR 1943.

Barometric Pressure (reduced to sea level).—Mean, 30.00 inches, 1015.9 millibars; highest, 31.02 inches, 1050.5 millibars; March 9; lowest, 28.86 inches, 1012.2 millibars, April 13.

Temperature.—Greatest monthly range, 77°, February; least monthly range, 41°, Sept. Highest mean temperature of three consecutive days, 81°, June 24–26; lowest mean temperature of three consecutive days, 6°, February 14–16.

Precipitation.—Longest period without precipitation, 11 days, Dec. 15–25; longest period with precipitation, 8 days, Jan. 25–Feb. 1. Greatest amount in 24 consecutive hours, 2.66 inches, Oct. 26–29. Maximum amount in 5 minutes, 0.24 inch, July 31; 10 minutes, 0.37 inch, July 31; 15 minutes, 0.53 inch, July 31; 30 minutes, 0.72 inch, July 31; 1 hour, 0.74 inch, July 31.

Frost.—Last killing frost in spring, April 16. First killing frost in autumn, October 11.

Snow.—Greatest snowfall in 24 hours, 12.8 inches, January 28–29. Greatest depth of snow on ground, 17.5 inches, January 31. Last snow in spring occurred on April 16; first in autumn occurred on November 11.

Thunderstorms.—First thunderstorm occurred on April 13; last thunderstorm occurred on September 2.

Monthly and Annual Mean Temperatures

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann
1871...	26.0	28.6	41.5	47.0	57.9	65.9	70.8	71.7	59.3	54.0	36.6	27.9	48.9
1872...	27.4	28.1	26.0	46.6	59.4	68.9	75.6	73.0	64.5	51.8	40.6	23.2	48.8
1873...	25.1	26.3	33.9	45.0	56.8	67.3	72.9	69.8	62.8	53.5	33.4	32.0	48.2
1874...	30.5	27.0	34.4	38.8	55.4	66.0	72.6	68.0	64.4	53.2	41.6	31.3	48.6
1875...	20.1	22.3	31.4	42.0	57.9	66.7	72.1	71.0	60.6	50.2	35.0	29.6	46.6
1876...	30.7	27.4	33.4	43.9	54.6	68.8	74.0	70.2	59.9	48.2	41.4	22.2	47.9
1877...	24.8	34.2	34.9	44.2	55.0	66.8	71.1	72.2	65.2	52.0	44.2	36.4	50.1
1878...	28.0	30.6	39.6	48.2	56.5	64.6	73.7	69.7	64.2	56.1	40.8	30.3	50.2
1879...	24.2	24.6	33.6	42.4	50.2	64.8	70.8	69.3	62.0	57.6	38.8	32.3	48.4
1880...	34.6	31.8	33.2	46.4	63.7	68.6	71.8	70.8	65.2	52.2	38.2	26.7	50.3
1881...	22.0	27.9	37.2	43.6	56.6	61.7	70.2	71.4	67.6	54.4	43.6	39.0	49.6
1882...	26.0	30.4	36.0	42.8	50.6	66.8	73.2	71.5	64.0	55.4	39.0	30.4	48.8
1883...	24.4	28.8	30.8	45.2	56.5	70.1	71.7	68.2	59.8	47.7	42.8	29.1	47.9
1884...	24.1	31.2	34.2	43.8	54.8	67.2	68.6	69.7	66.9	52.6	41.4	33.8	49.0
1885...	27.4	20.6	27.6	47.2	53.2	66.8	71.8	67.8	60.1	51.6	44.0	32.7	47.6
1886...	25.8	26.6	33.3	48.6	56.8	63.2	71.2	68.2	63.1	52.0	43.2	28.4	48.4
1887...	25.0	28.7	31.5	44.2	59.6	65.2	74.6	67.6	59.8	51.5	42.2	32.4	48.5
1888...	20.1	28.3	32.2	42.6	53.0	66.8	68.8	70.2	59.8	47.8	43.8	34.6	47.3
1889...	35.8	26.0	38.2	47.8	60.3	69.2	69.4	67.4	62.8	48.5	44.6	38.0	50.7
1890...	32.4	33.2	34.9	46.3	57.0	64.2	71.0	68.9	62.9	51.0	41.8	26.0	49.1
1891...	31.1	32.0	33.6	48.0	55.8	65.0	69.0	70.0	66.7	51.6	41.4	40.4	50.4
1892...	28.3	28.4	32.9	48.4	55.9	69.6	73.0	70.2	62.5	52.7	41.2	29.9	49.4
1893...	20.7	26.8	32.8	44.4	56.3	64.8	71.4	69.6	60.0	54.8	42.2	30.4	47.9
1894...	30.1	26.6	42.5	47.0	57.6	68.8	73.7	68.0	64.8	54.0	38.2	32.2	50.3
1895...	28.8	24.6	34.6	46.0	60.2	66.8	69.3	71.0	65.7	49.6	45.4	35.6	49.8
1896...	24.9	28.7	32.0	47.2	60.3	66.1	71.8	70.7	62.2	50.2	46.5	30.4	49.2
1897...	28.4	30.9	36.9	49.0	57.6	62.3	71.6	69.6	63.1	54.4	41.4	34.0	49.9
1898...	28.7	32.8	42.8	43.8	55.8	65.8	71.8	73.1	66.2	54.2	42.0	32.0	50.8
1899...	29.0	26.8	34.0	48.1	57.8	70.0	72.6	68.8	62.0	54.5	42.1	36.2	50.2
1900...	30.0	29.3	34.0	48.6	55.2	68.6	73.8	71.1	65.0	56.6	44.6	34.4	50.8
1901...	27.6	24.2	36.2	43.5	54.3	68.2	73.4	70.7	65.4	54.4	37.2	32.4	49.0
1902...	26.6	28.8	43.4	48.4	57.6	61.3	67.8	67.6	62.6	53.6	46.2	28.5	49.6
1903...	26.8	31.4	44.4	47.8	58.5	59.8	71.4	65.0	64.4	53.9	40.0	29.0	49.4
1904...	21.6	22.6	31.6	44.6	60.8	64.0	71.4	68.7	62.5	50.6	38.2	25.8	47.1
1905...	25.1	23.4	37.2	46.8	57.6	65.2	73.2	68.6	62.0	53.6	41.6	35.1	49.1
1906...	35.7	29.7	32.4	47.2	58.0	66.4	70.1	72.0	65.0	52.5	41.7	29.1	50.0
1907...	27.0	21.6	37.9	43.4	52.4	65.1	72.4	69.6	64.4	49.8	43.2	37.2	48.7
1908...	31.0	26.8	38.6	46.8	59.0	69.8	74.1	69.4	65.8	55.4	43.6	33.3	51.2
1909...	30.3	32.6	36.8	47.8	55.8	69.4	71.5	69.4	62.6	52.8	46.4	30.8	50.5
1910...	32.0	29.5	42.0	51.6	57.6	65.2	74.9	68.8	62.8	56.0	41.2	27.5	50.8
1911...	31.8	27.0	35.4	46.1	62.4	65.6	77.1	69.0	62.6	52.6	41.8	39.4	50.9
1912...	21.4	27.7	36.0	47.4	58.6	68.0	73.2	69.0	63.7	57.4	45.6	38.5	50.5
1913...	39.2	27.7	42.4	48.0	55.2	67.5	73.8	70.8	62.0	56.4	46.5	37.8	52.3
1914...	28.7	24.3	36.7	45.3	60.4	67.3	68.6	70.4	64.6	57.0	42.7	30.4	49.7
1915...	33.0	33.2	35.8	50.8	56.6	63.9	70.1	69.1	66.8	55.7	45.4	34.2	51.2
1916...	33.0	25.5	30.6	45.6	58.6	62.6	72.6	71.8	65.0	55.5	42.6	32.6	49.7
1917...	30.2	25.8	37.2	44.0	50.7	65.8	73.3	72.8	60.2	51.9	39.4	23.7	47.9
1918...	21.0	26.9	36.7	47.8	63.3	63.9	71.0	70.4	61.2	56.2	45.0	34.7	49.8
1919...	33.2	32.6	40.8	46.9	59.1	67.2	74.0	68.8	63.9	55.1	42.8	28.7	51.1
1920...	21.0	27.6	39.2	45.0	54.6	65.8	72.4	72.0	65.2	59.8	41.7	35.6	50.0
1921...	32.1	32.6	46.2	51.8	58.0	68.2	73.2	69.8	68.5	55.2	41.6	31.4	52.4
1922...	27.2	32.0	39.8	48.7	61.4	68.6	72.0	70.4	65.2	55.1	43.8	30.9	51.3
1923...	27.0	23.4	33.9	48.2	57.6	69.3	70.0	69.4	64.2	55.5	44.6	40.4	50.3
1924...	31.9	26.6	37.4	47.2	56.2	66.6	73.8	71.8	62.2	54.6	44.6	31.1	50.3
1925...	27.2	38.0	43.0	49.8	57.4	70.9	72.4	71.2	64.0	49.3	43.6	33.6	51.7
1926...	31.0	27.8	34.2	44.8	56.0	64.3	70.5	70.4	62.4	53.4	44.2	28.6	49.0
1927...	30.6	32.6	41.6	48.3	55.2	65.0	72.2	67.4	65.0	57.9	49.6	36.0	51.8
1928...	33.0	29.6	37.0	46.8	55.4	65.0	73.2	73.6	62.4	56.6	44.8	38.5	51.3
1929...	30.0	31.7	41.4	47.1	61.0	68.4	72.6	69.3	65.2	53.2	44.7	32.6	51.4
1930...	31.8	34.1	38.3	47.6	59.4	72.4	72.6	70.5	69.4	53.0	45.0	33.2	52.3
1931...	30.6	30.6	39.3	50.2	60.3	67.2	74.0	72.2	66.9	58.5	49.4	36.6	58.0
1932...	38.8	30.6	35.6	47.4	60.2	66.4	72.8	74.0	65.2	57.1	42.8	38.1	52.4
1933...	37.8	33.7	35.7	46.5	61.6	69.6	70.8	71.8	65.8	52.7	38.3	26.8	50.9
1934...	29.6	17.5	35.1	48.0	60.6	66.9	73.2	67.3	64.6	49.6	45.6	28.4	48.9
1935...	23.2	27.8	38.4	45.2	55.5	65.5	72.6	70.7	61.4	53.8	45.4	27.1	48.9
1936...	28.2	22.8	41.8	45.2	60.6	66.2	71.1	69.7	62.6	54.4	39.5	35.0	49.7
1937...	37.4	33.2	34.1	45.2	59.1	66.4	73.2	74.6	63.0	52.6	44.0	31.2	51.2
1938...	28.0	30.6	39.1	48.7	55.8	67.2	71.8	73.6	62.2	56.0	46.4	34.0	51.1
1939...	27.8	32.2	33.2	43.6	56.4	65.6	72.3	73.8	64.5	54.2	40.8	33.4	49.8
1940...	23.0	29.6	33.1	43.6	56.2	65.1	71.6	68.4	63.3	50.6	42.9	34.3	48.5
1941...	25.2	29.4	33.4	51.6	59.8	68.2	71.4	70.6	66.0	55.9	48.0	35.2	51.2
1942...	28.6	27.0	40.8	49.7	60.8	67.4	71.1	70.7	64.6	55.8	43.5	28.6	50.7
1943...	25.5	30.6	36.0	43.4	57.6	71.2	74.1	70.1	63.0	53.8	43.3	29.4	49.8
M'ns	28.5	28.5	36.4	46.5	57.3	66.7	72.1	70.2	63.7	53.6	42.6	32.3	49.9

NOTE.—Bold-face figures indicate highest and lowest monthly means.

SEASONAL SNOWFALL.

Years	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Season
1871-2.....	0	T.	12.3	3.4	11.3	17.3	0	0	44.3
1872-3.....	0	0.3	23.7	11.6	8.3	5.2	T.	T.	49.1
1873-4.....	0	7.5	13.7	20.3	22.7	3.9	28.3	0	96.4
1874-5.....	0	T.	5.7	10.4	0.3	27.3	6.3	0	50.0
1875-6.....	0	T.	1.1	0.5	5.4	3.0	T.	0	10.0
1876-7.....	0	0.3	9.0	17.5	T.	15.5	T.	0	42.3
1877-8.....	T.	T.	0.8	14.3	12.6	T.	0	0	27.7
1878-9.....	0	0.3	1.2	18.2	11.9	7.8	4.0	0	43.4
1879-0.....	0	6.0	18.6	3.2	11.4	15.0	0	0	54.2
1880-1.....	0	0.8	19.2	20.5	9.0	3.1	4.2	0	56.8
1881-2.....	0	1.5	T.	15.4	17.9	5.6	0	0	40.4
1882-3.....	0	10.0	6.0	9.6	9.0	4.3	T.	0	38.9
1883-4.....	0	T.	24.4	11.9	12.5	7.7	9.5	0	66.0
1884-5.....	0.5	4.8	2.3	3.9	3.3	9.5	T.	0	24.3
1885-6.....	0	0.5	5.5	21.5	4.0	4.5	T.	0	36.0
1886-7.....	0	T.	18.5	16.0	12.0	11.5	15.0	0	73.0
1887-8.....	0	T.	6.5	13.1	9.6	12.0	T.	T.	41.2
1888-9.....	0	4.8	T.	4.5	7.5	2.2	0	0	19.0
1889-0.....	0	T.	4.0	8.5	6.3	20.3	0	0	39.1
1890-1.....	0	T.	14.5	14.8	13.8	16.2	T.	0	59.3
1891-2.....	T.	0	T.	12.0	11.5	20.0	0	0	43.5
1892-3.....	0	3.0	2.0	14.6	35.3	4.5	7.9	0	67.3
1893-4.....	0	0.4	18.5	15.0	21.6	T.	8.5	0	64.0
1894-5.....	0	6.7	13.5	13.9	8.8	3.8	0.5	0	47.2
1895-6.....	0	T.	5.2	9.5	9.5	14.5	0.2	0	38.9
1896-7.....	0	2.2	8.6	18.2	10.9	3.3	T.	0	43.2
1897-8.....	0	8.1	7.8	16.3	11.5	6.0	2.2	0	51.9
1898-9.....	0	17.8	7.7	6.1	30.2	9.3	T.	0	71.1
1899-0.....	T.	0.1	T.	8.3	9.0	7.6	0	T.	25.0
1900-1.....	0	0.1	0.8	7.8	8.8	T.	0	0	17.5
1901-2.....	0	0	12.6	11.0	13.0	7.5	T.	0	44.1
1902-3.....	T.	T.	22.8	4.2	14.7	0.3	T.	0	42.0
1903-4.....	0	0	10.6	35.7	16.5	8.9	1.4	0	73.1
1904-5.....	T.	T.	12.0	21.3	8.0	3.6	T.	0	44.9
1905-6.....	0	T.	3.5	6.1	6.1	21.9	T.	0	37.6
1906-7.....	0	1.1	15.5	16.1	25.5	6.6	3.1	T.	67.9
1907-8.....	0	0	7.0	4.3	9.3	4.8	0.8	0	26.2
1908-9.....	0	T.	3.5	11.2	2.3	3.1	0	0	20.1
1909-0.....	T.	T.	12.3	11.9	12.6	0.2	0	0	37.0
1910-1.....	0	1.4	8.2	0.7	19.5	3.1	7.7	0	40.6
1911-2.....	0	0.3	3.7	17.8	0.2	9.1	0.5	0	31.6
1912-3.....	0	0.3	9.2	0.3	7.7	0.5	1.4	0	19.4
1913-4.....	0.4	T.	0.9	10.3	20.6	5.2	2.0	0	39.4
1914-5.....	T.	T.	4.1	7.0	5.1	T.	6.1	0	22.3
1915-6.....	0	0.2	6.7	4.8	30.3	33.0	4.2	0	79.2
1916-7.....	0	0.7	9.5	13.1	8.9	12.9	9.1	T.	54.2
1917-8.....	0	2.2	7.0	13.8	5.7	12.8	4.2	0	45.7
1918-9.....	0	T.	8.4	4.1	6.2	2.4	T.	0	21.1
1919-0.....	0	0.2	2.9	24.8	32.5	11.0	2.0	T.	73.4
1920-1.....	0	1.8	5.5	3.6	23.2	T.	T.	0	34.1
1921-2.....	0	1.6	4.4	2.7	15.5	10.1	3.3	0	37.6
1922-3.....	0	0.9	14.7	28.0	14.3	10.6	T.	0	68.5
1923-4.....	0	T.	3.0	8.5	10.4	7.4	3.0	0	32.3
1924-5.....	0	0.5	0.2	20.7	T.	T.	T.	0	21.4
1925-6.....	T.	T.	0.5	7.4	27.6	2.8	T.	0	38.3
1926-7.....	0	T.	24.2	16.1	19.2	0.6	0.2	0	60.3
1927-8.....	0	0.5	T.	5.1	8.7	6.5	T.	0	20.8
1928-9.....	T.	1.4	4.6	13.5	21.4	4.0	0.6	0	45.5
1929-0.....	0	3.0	10.6	7.7	9.5	0.6	T.	0	31.4
1930-1.....	T.	0.1	7.7	11.7	14.0	7.3	T.	0	40.8
1931-2.....	0	T.	1.4	6.2	10.8	5.8	T.	0	24.2
1932-3.....	0	T.	8.6	1.3	20.6	5.1	5.0	0	40.6
1933-4.....	0	2.9	15.6	0.8	32.9	10.5	T.	0	62.7
1934-5.....	T.	T.	1.6	26.7	13.1	2.1	1.9	0	45.4
1935-6.....	0	1.0	0.3	12.7	12.6	2.9	T.	0	29.5
1936-7.....	0	4.4	0.7	2.0	T.	1.9	T.	0	9.0
1937-8.....	0	0.3	4.6	29.6	10.0	0.3	0.9	0	45.7
1938-9.....	0	10.0	1.3	7.5	4.7	16.5	0.2	0	40.2
1939-0.....	0	1.0	6.5	4.6	23.8	0.3	1.5	0	37.7
1940-1.....	T.	8.5	4.5	20.4	1.3	13.1	0	T.	47.8
1941-2.....	T.	T.	0.2	8.2	6.2	7.9	1.5	0	24.0
1942-3.....	0	T.	6.8	26.4	4.5	8.0	T.	0	45.7
1943.....	0	T.	0.3	.....	.....	.....	.....	.....	.....
Means.....	T.	1.7	7.4	11.8	12.4	7.4	2.1	T.	42.8

Hours of Sunshine

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1893...	.....	161	221	212	219	222	289	241	231	219	184	130	.....
1894...	135	159	222	208	260	286	340	275	216	165	143	148	2556
1895...	143	218	215	202	287	254	253	289	255	208	110	123	2557
1896...	155	167	208	246	263	260	235	262	191	132	110	184	2412
1897...	136	159	165	227	196	258	220	270	258	230	119	132	2370
1898...	164	142	194	174	198	234	252	242	266	171	126	153	2316
1899...	185	160	163	292	292	323	316	210	216	150	164	180	2652
1900...	154	146	237	234	232	311	320	261	225	146	120	142	2527
1901...	134	208	158	106	212	332	266	223	218	236	134	121	2349
1902...	152	170	187	175	295	295	253	304	190	196	120	142	2479
1903...	149	174	203	261	347	183	300	249	289	212	180	168	2715
1904...	151	164	197	211	281	249	277	262	229	184	141	107	2452
1905...	150	188	224	261	298	268	319	271	191	224	179	127	2700
1906...	144	192	223	254	307	293	289	292	271	178	130	81	2649
1907...	91	141	192	204	211	284	336	312	159	199	103	129	2363
1908...	171	186	196	254	267	366	314	255	243	206	166	138	2760
1909...	102	155	223	237	283	361	374	314	213	225	119	157	2763
1910...	123	171	259	236	233	259	338	282	208	210	101	127	2547
1911...	110	141	238	300	329	306	228	281	241	175	171	135	2764
1912...	136	202	238	234	281	390	339	301	224	226	170	160	2902
1913...	141	203	193	236	272	353	335	287	224	90	150	140	2623
1914...	106	192	166	217	252	279	254	201	274	209	148	122	2419
1915...	134	166	292	220	299	291	275	256	275	200	160	138	2705
1916...	149	144	228	206	274	278	260	306	275	232	160	167	2678
1917...	118	171	224	204	214	257	306	307	267	186	193	112	2558
1918...	165	170	248	250	311	304	271	264	207	165	143	110	2608
1919...	134	213	173	185	276	330	301	260	193	134	125	126	2451
1920...	147	143	237	183	252	238	343	246	226	228	88	152	2484
1921...	163	159	210	174	288	332	274	339	269	224	94	132	2659
1922...	172	114	178	248	332	251	294	224	252	214	139	96	2514
1923...	116	160	193	241	291	281	255	286	222	200	145	118	2512
1924...	162	199	234	224	225	289	347	275	222	251	171	122	2723
1925...	141	156	210	261	274	311	301	294	209	145	160	134	2596
1926...	106	126	211	236	283	270	268	200	215	196	160	130	2401
1927...	133	118	255	343	218	306	241	233	266	253	132	152	2651
1928...	191	201	247	279	262	249	298	242	193	230	105	171	2669
1929...	171	162	211	182	326	346	367	296	205	193	136	118	2712
1930...	113	181	236	293	271	306	274	294	275	195	155	130	2724
1931...	208	170	193	275	284	268	244	240	243	223	149	125	2622
1932...	96	137	222	257	338	291	343	339	268	174	165	150	2780
1933...	175	207	195	197	282	289	291	239	200	218	149	95	2537
1934...	118	183	237	278	311	287	286	241	120	187	130	140	2518
1935...	142	132	225	162	254	207	248	267	163	251	90	126	2265
1936...	175	167	204	192	320	289	369	254	212	198	148	115	2643
1937...	121	163	236	208	244	244	309	257	259	162	141	150	2492
1938...	121	114	176	233	279	302	242	326	213	178	160	126	2470
1939...	119	135	180	177	276	295	325	260	230	150	170	108	2425
1940...	174	153	214	197	221	275	293	305	224	213	96	93	2459
1941...	127	170	217	257	262	259	243	294	290	205	217	125	2666
1942...	181	188	183	214	160	208	262	281	214	215	129	110	2346
1943...	133	166	222	240	255	315	255	211	192	140	158	155	2473
Aver'.	143	166	212	227	263	284	291	270	228	196	142	131	2561
Posble	295	†297	371	401	452	455	461	429	374	343	295	284	4457

† Leap years not considered.

EXTREMES OF BAROMETRIC PRESSURE, 1872-1943

Sea Level Pressure

PRESSURE

MONTH	PRESSURE						
	Average	Maximum	Year	Day	Minimum	Year	Day
January.....	30.05	31.00	1920	31	28.67	1913	3
February.....	30.00	31.03	1920	1	28.69	1895	8
March.....	29.99	31.02	1943	9	28.45	1932	7
April.....	29.97	30.72	1911	12	28.86	1907	9
May.....	29.98	30.63	1936	22	29.11	1929	3
June.....	29.97	30.57	1884	15	29.26	1923	27
July.....	29.95	30.51	1892	7	29.21	1932	2
August.....	30.01	30.48	1934	31	29.26	1924	26
September.....	30.08	30.65	1888	7	29.09	1938	21
October.....	30.06	30.75	1879	3	28.97	1925	25
November.....	30.02	30.87	1932	28	28.73	1873	18
December.....	30.02	30.96	1887	1	28.49	1942	2
Average or Extremes	30.01	31.03	1920	Feb. 1	28.45	1932	Mar. 7

Maximum Amounts of Precipitation

Month	5 min's		10 min's		15 min's		30 min's		1 hour		2 hours		24 hours	
	Am't	Yr.	Am't	Yr.	Am't	Yr.	Am't	Yr.	Am't	Yr.	Am't	Yr.	Am't	Yr.
Jan...	.20	1942	.25	1936	.29	1936	.40	1936	.57	1919	.81	1919	3.25	1881
Febr.	.10	*1926	.14	*1918	.20	1920	.33	1920	.49	1920	.71	1920	4.45	1886
Mar. .	.15	1913	.23	1913	.26	1913	.39	1913	.54	*1932	1.03	1932	3.04	1877
April.	.13	1936	.19	1921	.24	1920	.31	1920	.50	1931	.78	*1931	3.19	1921
May .	.55	1932	.62	1932	.63	1932	.65	1932	.69	1926	.94	1926	3.31	1920
June .	.42	1925	.72	1905	.75	1905	.97	1941	1.21	1942	1.80	1942	5.35	1875
July..	.50	1927	.67	1916	.85	1916	1.33	1916	1.62	1921	2.45	1915	6.04	1921
Aug..	.55	1908	.91	1908	1.12	1908	1.45	1908	1.80	1901	2.27	1917	4.99	1879
Sept..	.25	1902	.43	1927	.62	1927	1.01	1911	1.10	1904	1.74	1904	5.63	1933
Oct. .	.34	1928	.54	1928	.67	1928	.86	1906	1.58	1906	1.74	1906	4.92	1895
Nov..	.21	1925	*.31	1932	.39	1927	*.62	1932	.83	1932	.94	1927	5.43	1876
Dec. .	.15	1937	.21	1937	.26	1937	.45	1937	.81	1937	1.47	1937	3.36	1937
High- est	.55	*1932	.91	1908	1.12	1908	1.45	1908	1.80	1901	2.45	1915	6.04	1921

** 1871 to 1943, other data 1901 to 1943.

* Several occurrences.

MONTHLY AND ANNUAL PRECIPITATION.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Anl.
1818..	2.64	3.49	4.05	6.15	5.96	3.47	4.08	0.46	7.81	2.11	1.91	0.86	42.99
1819..	0.70	2.27	6.21	3.74	3.06	3.56	2.02	4.38	5.29	1.40	1.22	1.63	35.48
1820..	3.12	4.25	4.90	0.45	5.08	3.42	4.19	5.15	2.43	5.39	3.00	2.80	44.18
1821..	1.41	4.42	2.53	4.90	4.84	2.79	2.35	1.58	4.73	2.29	3.12	1.93	36.89
1822..	1.29	2.34	2.02	2.99	0.78	3.54	4.32	1.20	2.15	2.53	2.58	1.46	27.20
1823..	3.00	4.57	7.72	2.21	6.40	0.93	5.74	1.98	1.95	3.95	1.92	6.93	47.30
1824..	3.95	5.99	1.81	4.72	1.43	1.60	0.88	3.68	6.43	1.01	1.72	2.60	36.02
1825..	2.79	3.43	4.70	0.37	1.36	4.77	1.24	5.62	2.66	3.21	0.81	4.38	35.34
1826..	2.55	1.48	3.81	1.50	0.25	3.85	2.90	12.10	3.03	3.80	2.31	3.56	41.14
1827..	3.92	2.97	2.51	4.75	5.34	2.56	2.59	4.88	4.81	5.28	5.71	3.59	48.91
1828..	2.15	2.79	1.84	2.00	4.67	1.59	4.58	0.37	3.82	2.79	5.55	0.26	32.41
1829..	4.93	5.62	4.30	3.45	2.71	1.64	6.98	4.95	2.62	1.65	5.74	2.26	46.85
1830..	2.36	1.63	3.51	1.21	3.03	3.46	4.90	2.64	5.65	2.38	5.32	5.96	42.95
1831..	4.44	4.68	3.07	6.97	3.65	4.32	5.53	5.57	3.83	4.42	3.20	2.93	51.61
1832..	4.47	3.74	2.65	5.56	7.27	0.50	3.41	6.14	2.07	2.46	3.57	4.85	46.69
1833..	2.96	2.53	2.71	2.30	1.03	3.23	2.01	0.82	2.88	6.00	5.53	5.86	37.86
1834..	1.39	1.13	0.96	2.93	6.33	3.09	7.71	2.47	3.71	4.62	2.90	2.36	39.60
1835..	3.25	1.37	4.27	4.54	2.07	2.74	9.07	2.89	1.31	1.87	2.08	2.40	37.86
1836..	8.84	3.57	2.90	1.58	1.85	4.33	2.12	1.53	0.54	4.04	5.43	4.13	40.86
1837..	4.10	4.14	3.02	3.07	5.79	2.98	1.80	1.67	0.56	1.58	2.35	2.46	33.52
1838..	3.07	2.77	3.09	2.62	3.32	2.55	1.20	4.26	9.87	5.02	3.95	0.80	42.52
1839..	0.98	3.11	1.18	7.73	4.27	2.25	3.32	5.70	2.00	2.50	1.71	6.35	41.10
1840..	3.12	2.57	4.55	4.60	2.23	2.78	2.93	4.00	2.12	4.48	11.63	4.15	49.16
1841..	6.00	1.60	3.50	8.82	1.90	1.95	2.10	4.20	2.86	3.80	4.55	5.77	47.05
1842..	0.80	3.20	3.35	3.50	2.90	5.30	1.82	4.44	3.25	0.80	4.45	5.30	39.11
1843..	2.20	6.08	6.17	3.88	1.60	4.61	2.15	6.88	0.98	4.82	3.40	3.92	46.69
1844..	3.68	2.42	6.00	0.20	2.72	1.40	2.17	2.62	3.53	5.80	3.15	3.85	37.54
1845..	4.58	4.25	3.83	1.23	2.82	2.05	3.28	1.82	2.23	4.00	10.25	5.98	46.32
1846..	3.12	2.95	2.73	1.23	2.02	2.25	2.51	1.80	1.30	1.35	4.17	4.52	29.95
1847..	3.28	4.70	4.77	2.20	2.03	4.09	2.65	6.45	6.64	1.05	5.12	3.95	46.93
1848..	2.30	3.90	4.05	1.40	6.30	1.73	1.35	3.10	3.55	5.10	2.25	5.95	40.98
1849..	0.35	1.15	7.35	0.90	3.10	1.45	0.85	6.25	1.25	8.10	5.50	4.05	40.30
1850..	4.59	2.52	5.32	4.82	6.63	2.77	2.70	5.30	7.15	2.10	3.32	6.76	53.98
1851..	1.30	4.20	3.88	9.37	3.31	1.80	3.09	1.27	3.50	4.43	5.51	2.65	44.31
1852..	4.85	2.85	4.45	10.18	1.95	2.35	3.28	7.63	1.65	2.19	3.47	3.09	47.94
1853..	2.44	5.30	2.27	3.78	5.63	0.30	3.64	9.40	3.80	3.92	4.43	3.95	48.86
1854..	2.91	4.87	2.84	6.63	4.33	2.47	3.70	0.58	3.86	2.08	6.80	4.64	45.71
1855..	7.22	4.67	1.18	4.28	1.20	3.09	4.15	1.46	1.13	4.61	5.27	5.93	44.19
1856..	5.32	0.80	1.33	4.37	7.10	2.90	4.02	11.11	4.90	2.70	3.33	4.28	52.16
1857..	5.36	2.45	3.09	10.83	5.57	2.02	5.53	7.18	2.56	4.50	2.52	5.26	56.87
1858..	3.28	2.30	2.18	5.18	3.89	8.09	4.56	7.03	5.02	3.03	3.38	4.73	52.67
1859..	5.93	4.05	7.64	3.36	3.63	7.89	1.58	4.72	4.40	3.28	3.75	6.47	56.70
1860..	1.80	3.85	2.19	1.73	2.35	8.01	5.90	4.30	7.35	2.66	5.37	5.86	51.47
1861..	6.04	3.57	7.48	5.89	2.97	3.64	2.76	6.04	1.77	2.66	4.90	2.35	50.06
1862..	8.30	3.29	4.70	1.97	2.70	6.78	7.33	4.20	5.61	4.85	8.32	3.01	61.06
1863..	4.51	4.54	6.42	9.08	2.82	2.56	12.38	5.64	3.12	3.83	6.48	6.34	67.72
1864..	3.87	1.43	11.75	4.72	3.31	1.47	1.90	4.17	2.60	4.80	4.00	5.28	49.30
1865..	4.47	5.08	4.83	2.57	6.90	2.83	4.26	1.42	0.62	6.21	4.46	4.18	47.83
1866..	3.73	5.28	4.70	2.03	5.04	3.41	5.42	3.87	5.90	2.72	3.74	4.86	50.70
1867..	6.06	6.55	6.12	2.52	4.11	2.74	4.76	10.78	0.44	6.76	2.32	2.48	55.64
1868..	6.09	1.88	5.04	6.94	10.38	3.79	1.10	7.53	11.95	1.78	5.31	2.32	64.11
1869..	4.03	9.98	8.74	2.05	6.88	4.44	3.30	2.19	5.18	6.71	3.74	9.04	66.28
1870..	8.16	7.03	4.88	8.42	2.58	7.59	4.01	1.57	0.67	6.80	4.40	3.62	59.73
1871..	0.92	2.63	4.55	3.79	4.34	5.55	3.22	3.08	1.30	5.88	6.42	3.38	45.06
1872..	2.11	2.31	4.05	1.31	3.29	4.84	4.00	10.68	6.04	4.85	3.66	3.09	50.23
1873..	5.76	3.21	3.76	3.83	5.16	0.54	3.84	6.21	2.91	5.33	8.34	5.64	54.53

MONTHLY AND ANNUAL PRECIPITATION—Continued.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Anl.
1874..	4.32	3.41	1.60	7.97	3.71	3.94	3.47	6.67	2.05	1.39	2.85	2.14	43.52
1875..	3.68	3.74	5.04	4.92	3.76	7.25	3.93	3.50	3.12	4.99	5.47	0.75	50.15
1876..	1.87	4.51	7.19	3.61	2.70	1.72	5.86	1.23	3.84	1.66	11.03	3.71	48.96
1877..	3.33	0.45	9.79	4.19	3.38	3.21	2.27	4.49	0.60	8.84	9.62	1.32	51.49
1878..	7.60	4.40	5.91	6.14	1.03	2.26	4.58	7.66	3.47	6.76	8.94	6.76	65.53
1879..	2.79	4.35	3.90	6.58	0.97	6.24	3.09	6.71	1.84	0.91	2.97	4.22	44.57
1880..	3.72	4.11	3.25	2.85	1.63	0.75	6.86	2.90	2.36	3.15	2.30	3.42	37.30
1881..	7.21	4.89	9.86	1.66	4.16	7.79	2.96	1.23	2.50	2.84	3.73	3.80	52.63
1882..	3.63	4.77	3.35	2.50	6.05	1.03	3.91	1.46	10.93	2.29	1.20	2.65	43.82
1883..	3.59	2.74	2.33	2.83	5.11	2.07	2.73	0.39	1.50	6.40	2.08	3.71	35.48
1884..	6.27	5.74	4.86	4.76	3.31	4.01	4.25	5.01	0.31	3.17	3.03	4.46	49.18
1885..	5.33	3.00	1.15	3.30	4.26	3.70	1.44	7.64	1.70	5.71	5.78	2.09	45.10
1886..	7.08	7.04	3.20	1.70	3.08	1.34	1.81	3.64	2.73	3.27	3.59	3.66	42.14
1887..	4.86	3.69	3.86	2.62	4.67	1.98	3.89	3.05	0.97	2.53	2.22	1.71	33.75
1888..	2.26	2.36	3.32	2.04	5.20	2.69	1.79	6.53	6.77	3.58	4.97	1.38	45.89
1889..	4.11	1.54	1.19	3.07	4.15	2.77	5.80	3.95	3.19	3.31	4.91	1.83	39.82
1890..	2.00	2.29	5.88	2.29	4.48	2.21	1.93	2.70	5.04	5.63	0.97	3.72	39.14
1891..	4.39	3.66	3.94	1.71	1.56	3.06	3.73	3.87	2.29	5.56	2.35	3.58	39.70
1892..	4.62	2.15	3.91	0.93	5.15	3.05	2.56	4.87	1.90	2.31	4.45	1.12	37.02
1893..	2.56	6.22	2.80	3.13	5.23	2.20	1.72	6.46	1.59	2.94	1.83	5.16	41.84
1894..	3.01	3.15	1.01	3.78	4.12	0.80	3.09	3.03	2.14	5.11	3.10	4.28	36.62
1895..	3.79	1.11	2.72	3.65	2.71	1.73	2.98	3.24	1.53	6.19	3.07	2.45	40.17
1896..	2.25	3.94	5.41	1.56	1.68	2.71	2.90	2.15	6.40	3.15	3.70	1.70	37.55
1897..	3.16	2.12	2.79	3.17	4.00	4.46	4.22	3.95	2.38	0.41	6.19	3.92	40.77
1898..	3.50	4.81	1.82	6.39	4.33	1.60	4.42	6.58	1.93	7.17	5.32	2.19	49.86
1899..	4.19	3.03	5.95	1.29	0.81	2.86	2.52	2.82	5.09	2.40	2.51	1.52	34.69
1900..	4.20	6.83	4.60	1.90	5.07	1.85	2.69	2.46	4.62	3.41	4.17	2.25	44.05
1901..	1.56	0.66	6.58	7.43	6.31	1.31	5.20	3.25	2.50	3.02	2.41	8.49	48.72
1902..	1.65	4.19	5.29	2.87	1.07	1.77	2.88	2.20	2.08	4.36	1.09	4.48	33.93
1903..	3.43	3.90	5.95	4.43	0.32	7.19	2.99	3.33	2.43	3.95	1.48	2.57	41.97
1904..	4.80	2.49	2.43	9.14	3.38	2.06	1.23	2.19	5.57	2.13	1.70	2.52	39.64
1905..	4.09	1.59	2.25	2.14	1.47	5.23	1.00	3.39	5.10	0.82	1.77	3.23	32.08
1906..	2.96	2.66	5.45	2.15	4.91	2.57	5.38	1.58	2.64	3.88	2.55	3.96	40.69
1907..	2.54	1.88	1.66	3.31	3.12	2.56	1.09	1.10	7.43	2.54	6.02	4.31	37.56
1908..	2.47	2.96	2.97	1.70	3.78	1.08	3.17	4.35	0.68	3.70	0.74	2.47	30.07
1909..	3.94	4.71	3.28	3.22	2.33	4.45	0.97	3.55	5.15	1.07	4.11	3.19	40.67
1910..	4.25	3.44	1.25	2.22	1.62	4.89	1.15	0.98	2.14	1.14	3.75	2.10	28.33
1911..	2.28	2.85	2.95	2.28	0.35	3.67	4.65	4.17	2.95	2.27	4.29	3.07	35.78
1912..	2.87	2.38	4.18	3.07	4.04	0.27	5.16	1.94	1.67	1.00	2.61	5.36	34.55
1913..	2.38	2.99	4.81	4.77	3.22	0.64	2.69	2.66	2.51	6.04	2.15	3.05	38.11
1914..	3.26	3.07	4.16	5.87	2.78	1.40	2.64	3.20	0.21	1.54	2.72	3.46	34.31
1915..	6.33	3.47	T.	1.86	1.64	1.39	8.85	5.63	0.69	2.82	2.14	3.94	38.76
1916..	1.23	5.18	3.20	4.51	2.83	5.04	5.67	2.19	1.90	0.94	1.67	3.00	37.36
1917..	2.82	2.67	3.73	2.72	4.45	4.05	1.10	7.66	1.91	5.33	0.59	2.56	38.99
1918..	3.11	2.30	3.19	3.08	1.99	1.94	2.64	1.56	9.19	0.99	1.20	3.21	34.40
1919..	3.62	2.66	4.11	2.33	4.25	1.08	4.63	5.07	5.83	2.13	5.36	1.63	42.70
1920..	2.72	5.88	3.72	5.68	5.26	5.78	1.56	2.32	1.90	1.64	5.46	3.80	45.81
1921..	2.24	2.64	1.92	4.62	3.64	3.58	11.69	1.63	1.22	1.24	6.19	2.35	42.96
1922..	1.41	2.64	4.35	2.48	5.34	8.05	2.63	4.75	3.66	1.97	0.84	3.01	41.13
1923..	6.07	1.18	2.49	5.26	0.83	2.03	3.36	1.86	0.38	3.37	2.78	4.98	34.89
1924..	3.27	2.61	2.04	3.79	2.81	1.07	2.04	6.86	6.96	0.06	1.93	1.48	34.92
1925..	3.97	1.55	5.21	2.48	2.07	4.59	3.54	1.40	3.45	4.03	3.66	5.20	41.15
1926..	2.53	5.56	2.91	1.73	3.31	1.33	6.06	3.91	1.08	3.58	4.07	3.96	40.03
1927..	2.67	3.28	1.19	1.36	2.50	2.43	4.77	6.73	2.43	3.77	4.71	5.23	41.07
1928..	1.66	2.66	1.56	4.68	3.08	5.56	4.14	2.45	4.47	2.88	1.85	2.61	37.60
1929..	3.82	3.78	2.80	7.52	2.82	2.30	1.35	2.22	0.76	2.38	3.01	4.43	37.19
1930..	2.77	2.23	3.02	2.08	3.39	2.24	3.36	3.03	0.26	5.83	4.09	2.99	35.29
1931..	4.09	4.21	4.66	3.12	4.51	9.13	2.43	4.45	1.67	2.18	0.82	2.90	44.17
1932..	4.24	1.74	5.28	1.67	1.63	2.05	2.10	4.24	4.50	7.18	5.24	1.78	41.65
1933..	2.04	3.77	6.80	7.37	2.74	1.22	2.63	3.41	10.94	3.11	0.65	2.93	47.61
1934..	2.67	4.45	4.04	3.21	1.56	3.11	1.25	1.83	5.67	2.94	1.78	1.64	34.15
1935..	6.13	3.26	1.52	4.77	1.35	5.07	1.10	2.14	2.69	0.34	3.91	0.66	32.94
1936..	6.46	3.66	6.40	3.54	1.70	2.37	1.04	5.15	3.79	2.67	1.33	8.19	46.30
1937..	3.93	1.31	3.57	5.34	2.52	3.47	1.17	4.97	3.69	3.95	4.66	5.09	43.67
1938	4.01	2.38	2.42	3.22	4.42	6.30	9.46	3.31	6.00	2.43	2.89	2.80	50.54
1939..	2.18	3.79	5.23	4.54	1.29	2.70	0.75	2.14	1.01	4.77	1.14	2.91	32.45
1940..	1.68	4.78	3.83	4.58	3.28	1.80	3.17	0.85	2.32	0.76	6.24	2.76	36.05
1941..	4.21	1.70	3.40	1.70	2.43	4.29	2.90	1.55	1.18	1.92	2.40	3.19	30.87
1942	3.69	3.45	7.01	1.59	2.11	4.24	4.14	2.09	1.96	2.78	4.69	4.72	42.47
1943..	3.74	1.23	4.02	2.64	4.56	1.49	3.91	1.28	1.41	4.82	2.16	0.99	32.25
M'ns	*3.57	3.26	3.83	3.54	3.13	3.14	3.37	3.60	3.14	3.30	3.57	3.36	40.81
M'ns	†3.63	3.42	3.98	3.75	3.42	3.18	3.48	3.91	3.33	3.44	3.83	3.65	43.02

NOTE.—Bold-faced figures indicate greatest and least monthly and annual amounts. * Computed from the Weather Bureau records of 73 yrs. † Averages 126 yrs.

From 1818 to 1822, Dr. Enoch Hale; from 1823 to 1865, Jonathan P. Hall; from 1866 to 1870, Superintendent of Sewers.

Degree Days

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Seasonal
1915-16....	88	295	592	957	987	1142	1066	582	210	114	6033
1916-17....	85	310	675	1007	1079	1096	862	631	443	72	6260
1917-18....	165	407	766	1281	1361	1065	876	514	107	95	6637
1918-19....	145	293	601	938	983	907	752	544	211	73	5447
1919-20....	82	316	669	1126	1366	1085	795	600	325	102	6466
1920-21....	54	173	700	910	1020	909	582	401	269	35	5053
1921-22....	22	307	703	1040	1172	921	786	491	147	37	5626
1922-23....	83	336	637	1057	1179	1165	965	519	252	50	6243
1923-24....	75	301	611	760	1027	1113	852	533	272	69	5613
1924-25....	130	328	611	1052	1171	754	682	463	242	21	5454
1925-26....	117	484	644	973	1053	1042	954	601	284	95	6247
1926-27....	109	372	623	1126	1066	905	747	510	307	67	5812
1927-28....	61	254	466	899	991	1031	867	548	299	84	5500
1928-29....	127	289	612	819	1118	932	731	540	185	44	5397
1929-30....	107	365	617	1002	1030	866	829	524	222	14	5576
1930-31....	28	379	598	983	1069	968	798	447	212	53	5535
1931-32....	71	220	470	883	816	997	910	527	199	66	5159
1932-33....	73	273	667	840	841	874	910	556	159	53	5246
1933-34....	55	384	800	1184	1098	1332	928	512	173	58	6524
1934-35....	53	476	583	1135	1295	1040	823	601	318	96	6420
1935-36....	126	348	586	1176	1142	1224	711	598	183	41	6135
1936-37....	122	388	769	932	854	891	954	595	210	35	5700
1937-38....	128	387	631	1046	1150	964	802	496	291	51	5946
1938-39....	114	295	564	959	1147	920	987	640	296	62	5984
1939-40....	89	358	727	981	1302	1029	990	642	269	75	6462
1940-41....	111	450	664	953	1228	998	981	409	199	61	6054
1941-42....	89	299	511	923	1132	1063	749	466	164	61	5457
1942-43....	103	288	646	1132	1226	967	902	649	243	18	6174
1943-44....	120	355	648	1097							
**Normal	8	16	98	338	651	1000	1101	1027*	852	538	243	66	5943

* 28 $\frac{1}{2}$ days. ** Normals based on period 1899-1941.

Prevailing Wind Movement

Wind		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
North	{ per cent of time.	11	9	8	9	7	6	5	7	9	9	11	10	.....
	{ hourly velocity..	10	11	10	10	9	9	8	8	8	9	10	11	.....
Northeast	{ per cent of time.	4	6	7	11	11	9	6	6	7	8	6	4	.....
	{ hourly velocity..	11	10	10	9	8	8	6	7	8	8	8	9	.....
East.....	{ per cent of time.	4	6	10	14	17	16	13	15	12	8	5	4	.....
	{ hourly velocity..	11	9	9	10	8	8	6	7	7	7	10	9	.....
Southeast.	{ per cent of time.	4	4	6	5	6	5	5	7	6	5	4	4	.....
	{ hourly velocity..	8	8	8	8	8	7	6	6	7	7	10	8	.....
South	{ per cent of time.	6	7	8	7	10	9	9	9	9	7	6	.....
	{ hourly velocity..	9	8	11	11	10	9	9	8	10	9	10	10	.....
Southwest	{ per cent of time.	20	15	17	16	20	25	30	24	23	20	21	20	.....
	{ hourly velocity..	11	10	10	11	9	10	9	9	9	10	10	10	.....
West.....	{ per cent of time.	29	29	23	20	17	20	21	19	18	22	25	30	.....
	{ hourly velocity..	12	12	12	12	10	10	8	9	9	10	11	12	.....
Northwest	{ per cent of time.	22	24	21	18	12	10	11	13	16	19	21	22	.....
	{ hourly velocity..	12	12	12	11	10	8	8	8	9	10	10	11	.....
Prevailing direction.....		w.	w.	w.	w.	sw.	sw.	sw.	sw.	sw.	w.	w.	w.	w.
Average hourly velocity.....		11	12	12	11	10	10	9	9	9	10	11	11	10

Based on 24 years records: anemometer elevation 188 feet above ground.

Daily Maximum Temperature, 1943

Date	January	February	March	April	May	June	July	August	September	October	November	December
1.....	36	41	40	52	54	70	74	83	78	64	53	43
2.....	36	32	34	61	61	88	75	94	65	68	61	51
3.....	34	35	27	38	56	96	80	90	65	63	56	48
4.....	28	45	22	47	54	74	76	86	66	55	52	43
5.....	19	48	44	52	68	89	71	77	70	58	53	47
6.....	24	37	47	34	66	77	79	83	82	67	64	41
7.....	29	40	40	43	77	66	69	76	83	80	56	41
8.....	29	34	26	39	76	75	80	68	71	64	65	42
9.....	27	32	25	51	70	71	85	74	83	81	67	52
10.....	32	34	47	46	58	76	85	67	75	54	50	42
11.....	35	53	60	46	55	80	88	72	70	55	46	36
12.....	39	30	60	50	56	71	92	76	69	69	47	37
13.....	30	34	41	60	73	84	84	80	66	74	50	34
14.....	34	34	53	49	58	73	88	90	66	73	44	29
15.....	47	6	49	41	60	81	90	81	69	70	42	22
16.....	35	14	36	45	63	90	87	80	85	72	42	22
17.....	34	27	40	54	85	66	90	82	63	65	37	34
18.....	35	25	63	46	73	83	93	77	62	54	44	40
19.....	36	39	47	43	69	82	85	76	68	53	60	43
20.....	20	60	45	43	60	91	87	81	76	52	50	40
21.....	15	57	42	41	50	84	90	82	78	59	51	47
22.....	17	58	36	48	55	93	82	75	65	59	49	41
23.....	35	63	39	63	69	75	72	90	80	55	36	20
24.....	34	59	48	71	80	91	88	87	69	46	43	20
25.....	47	35	56	75	73	97	89	80	62	47	58	35
26.....	45	30	68	68	61	87	91	79	61	50	61	42
27.....	28	35	58	56	70	83	90	68	75	55	55	43
28.....	30	47	45	68	76	95	86	68	80	58	38	44
29.....	25		38	62	73	82	70	71	60	56	38	34
30.....	31	.....	35	54	68	71	78	70	56	56	36	33
31.....	32	.....	39	.....	70	.....	71	81	.....	52	.....	38
Mean	31.6	38.7	43.5	51.5	65.7	81.4	82.7	78.9	70.6	60.8	50.1	37.9

Maximum temperature for year 97°, June 25th.

Daily Minimum Temperature, 1943

Date	January	February	March	April	May	June	July	August	September	October	November	December
1.....	29	28	30	35	37	56	53	64	64	53	38	27
2.....	18	21	27	38	35	57	56	71	60	58	45	33
3.....	26	16	10	26	42	70	61	73	60	51	42	39
4.....	14	29	6	24	45	62	62	72	60	45	39	34
5.....	10	37	20	34	41	62	65	61	60	42	39	28
6.....	8	33	27	21	48	57	64	63	67	39	47	26
7.....	18	34	20	20	46	50	56	59	68	54	42	29
8.....	14	28	15	34	55	49	56	62	63	52	47	26
9.....	11	22	8	34	53	58	67	62	61	54	47	40
10.....	15	18	24	32	49	56	70	62	62	39	39	34
11.....	16	29	38	32	46	56	70	60	55	45	37	8
12.....	26	21	38	32	45	57	74	63	49	43	35	10
13.....	20	20	34	40	50	62	74	63	46	47	37	12
14.....	18	6	32	33	48	61	71	72	48	52	32	12
15.....	30	-14	34	28	45	59	73	65	59	58	31	9
16.....	26	-9	30	28	47	59	70	63	61	58	33	8
17.....	31	12	29	38	57	59	65	67	48	45	29	13
18.....	25	12	38	35	62	59	72	63	44	43	28	27
19.....	20	22	34	36	51	64	66	58	44	43	37	27
20.....	12	34	34	36	47	64	62	59	52	42	42	25
21.....	4	40	32	37	46	62	68	63	58	49	36	24
22.....	3	36	28	36	46	64	65	61	56	43	35	20
23.....	14	39	25	40	49	67	62	63	57	45	32	3
24.....	26	35	28	46	56	64	64	67	53	40	32	0
25.....	32	18	44	48	54	74	70	65	48	35	37	18
26.....	23	14	40	46	56	74	68	61	45	45	39	25
27.....	20	19	45	41	55	60	68	56	50	50	38	35
28.....	22	27	41	58	63	69	59	54	49	49	28	14
29.....	20	.....	23	42	55	65	64	58	53	50	24	10
30.....	21	.....	27	43	55	56	63	58	53	44	28	15
31.....	23	.....	33	.....	53	.....	62	63	.....	41	.....	25
Mean	19.4	22.4	28.4	35.2	49.4	60.9	65.5	63.1	55.3	46.7	36.5	21.2

Minimum temperature for year -14°, February 15th.

Daily Precipitation, 1943

Day	January	February	March	April	May	June	July	August	September	October	November	December
1.....	* T.	*.01	.....	T.	.....	.03	.....	.....	.09	.32	.....	.....
2.....	.....	.....	.....	.03	.....	.10	.....	.....	.24	.30	.22	.....
3.....	.....	.....	*.37	*.01	.54	.....	.....	.02	.....	T.	.22	.03
4.....	*.50	.04	.....	.....	.....	.....	.....	T.	T.	.....	.....	.01
5.....	.....	.02	.....	*.01	.....	.....	.29	T.	T.	T.	.05	.....
6.....	.....	.33	*2.15	.....	.01	.....	.....	.....	.02	.....	.19	.20
7.....	.....	.16	.01	.....	.04	.31	.38	T.	.....	.....	.....	.05
8.....	.....	.....	.....	* T.	.14	.....	T.	.....	T.	.....	.04	.....
9.....	.....	.....	.....	.....	T.	.....	.....	.....	.....	.....	.50	.....
10.....	.....	T.	* T.	.....	.02	.05	.....	.08	.....	.04	.....	.....
11.....	.....	.25	.01	.....	.25	T.	.....	T.	.....	.....	* T.	* T.
12.....	* T.	.....	.03	.20	.54	.....	T.	.08	.....	.....	* T.	* T.
13.....	.....	*.12	*.01	.15	.03	.19	.05	.33	.....	.....	.01	.....
14.....	* T.	* T.	.....	*.45	T.	.....	.....	.70	.....	.....	.....	*.01
15.....	*.04	* T.	.....	.....	.....	.....	.....	.....	.25	.36	*.02	.....
16.....	*.16	.....	.46	*.06	T.	T.	.....	.02	.01	.74	*.21	* T.
17.....	T.	* T.	.20	.28	T.	.62	.....	.....	.08	.18	* T.	.....
18.....	.15	.....	.....	.....	.29	.03	.06	.....	.....	.10	.....	.....
19.....	*.70	* T.	.67	.26	.24	T.	.....	.....	.....	.01	.....	.....
20.....	.....	T.	.10	.18	.71	.01	T.	.....	.....	T.	T.	.....
21.....	.....	.....	.....	.08	.94	.14	.....	.....	.....	.....	.....	.....
22.....	.....	* T.	.01	.50	.....	.....	.96	.....	.41	.....	*.24	.....
23.....	*.02	.....	.....	.....	.....	.....	T.	.....	T.	.01	*.45	.....
24.....	.....	.10	.....	T.	.....	.....	.....	.01	T.	T.	*.01	.....
25.....	.01	.....	.....	.....	.....	.....	.03	.....	.....	.01	.....	.....
26.....	*.01	*.11	.....	.....	.06	T.	.....	.....	.....	.77	.....	.10
27.....	*.02	*.09	T.	.07	.06	.....	T.	.....	.....	1.95	T.	.59
28.....	*1.29	.....	.....	.46	T.	T.	.....	.01	.....	.03	.....	.....
29.....	*.24	.....	.....	.....	.10	.08	.95	.....	.....	.....	.....	.....
30.....	*.11	.....	*.01	.39	.....	.02	.14	.....	.31	.....	.....	.....
31.....	*.49	.....	T.	.....	.....	.....	.75	.....	.....	.....	.....	.....
Total.....	3.74	1.23	4.02	2.64	4.56	1.49	3.91	1.28	1.41	4.82	2.16	0.99

T. indicates a trace. *Wholly or partly snow.

Daily Cloudiness, 1943

[Daylight hours; scale 0 to 10]

Day	January	February	March	April	May	June	July	August	September	October	November	December
1.....	8	8	8	10	4	10	4	1	10	10	1	2
2.....	5	0	9	6	7	7	1	2	10	10	10	8
3.....	1	5	10	9	10	2	6	8	10	10	8	10
4.....	10	10	1	1	8	1	10	10	10	9	6	4
5.....	8	0	2	6	1	5	10	9	9	8	9	1
6.....	0	11	10	4	8	5	8	2	8	2	5	9
7.....	1	8	3	2	6	10	10	6	4	3	3	6
8.....	0	8	4	10	8	7	9	7	10	9	10	0
9.....	1	1	5	5	3	7	9	9	1	2	10	9
10.....	7	8	10	8	10	5	5	10	5	0	4	8
11.....	1	10	10	5	10	6	9	8	5	0	10	2
12.....	7	3	9	7	10	2	8	9	3	1	1	10
13.....	3	9	10	3	5	9	9	9	1	0	6	4
14.....	3	5	0	5	4	4	9	8	6	7	2	10
15.....	3	5	8	6	4	8	7	2	9	10	6	3
16.....	10	0	10	7	9	7	1	8	5	10	10	4
17.....	10	9	10	10	7	7	5	3	9	6	3	3
18.....	10	1	7	4	9	6	6	5	1	10	1	2
19.....	10	6	10	10	10	6	1	3	0	7	8	2
20.....	4	3	10	10	10	9	5	1	7	10	10	4
21.....	9	3	6	10	10	7	5	8	9	8	6	9
22.....	7	6	10	6	8	9	9	5	10	9	10	7
23.....	10	4	3	0	2	3	6	1	4	10	10	0
24.....	7	10	8	5	7	2	4	6	9	10	5	0
25.....	9	4	3	9	8	2	9	5	9	10	0	9
26.....	10	9	2	1	10	6	8	5	5	10	5	9
27.....	9	5	7	7	8	8	3	8	2	10	10	10
28.....	10	5	6	9	6	7	5	6	2	10	8	1
29.....	9	.....	2	4	5	10	10	5	8	6	2	1
30.....	10	.....	9	10	5	6	7	2	10	8	7	8
31.....	8	.....	10	.....	3	.....	4	3	.....	4	.....	6
Mean.....	6.5	5.5	6.8	6.3	6.9	6.1	6.5	5.6	6.4	7.1	6.2	5.2

Note.—Clear (0 to 3). Partly cloudy (4 to 7). Cloudy (8 to 10).

THIRD FLOOR

C30
.16
:B74
947

U S. DEPARTMENT OF COMMERCE
WEATHER BUREAU

ANNUAL
METEOROLOGICAL
SUMMARY

WITH COMPARATIVE DATA

1947

BOSTON, MASS.

COMPILED BY
W. H. TRACY

Observations at or near Post Office Building.
1870 through 1935; thereafter at East Boston Airport.

(W. B. O. Philadelphia-2-16-48-1250)

SUMMARY FOR YEAR 1947, BOSTON, MASS.

Month.	Temperature.				Relative humidity (percent).		Precipitation.				Sun-shine		Wind.				Number of days.																
	Mean.		Extremes.		7:30 a. m.		1:30 p. m.		7:30 p. m.		Total.	Greatest in 24 hours.	Date.	Snowfall.	Number of hours.	Percent of possible.	Average hourly velocity.	Prevailing direction.	Velocity.	Direction.	Date.	Gales (32 miles per hour or over).	Clear.	Partly cloudy.	Cloudy.	With precipitation (0.01 in. or more).	Snow (.01 in. or more) melted, mid. to mid.)	Thunderstorms.	Heavy fog.	32° or below.	90° or above.	Max. temp.	Min. temp.
Maximum.	Minimum.	Monthly.	Highest.	Lowest.	Date.																												
January...	40.9	24.3	32.6	61	31	8	9	76	62	66	2.45	0.91	20	4.0	150	51	12.2	w.	41	sw.	31	3	6	11	14	12	4	0	5	10	0	23	0
February.	37.8	21.4	29.6	53	14	8	20	65	48	55	1.44	0.95	21	9.0	202	68	14.7	w.	36	se.	4	1	9	10	9	4	3	0	3	8	0	27	0
March.....	45.0	30.4	37.7	58	24	22	1	68	48	57	2.30	1.79	2-3	0.9	250	67	13.4	w.	50	e.	3	6	7	13	11	8	2	0	1	1	0	22	0
April.....	55.7	38.6	47.2	75	12	30	28	65	53	65	4.15	1.24	2-3	0.6	233	58	13.8	sw.	40	sw.	27	2	8	6	16	13	3	0	1	0	0	5	0
May.....	65.9	47.9	56.9	87	13	36	10	72	59	66	4.36	1.30	2-3	0	236	52	12.2	sw.	30	sw.	28	0	5	10	16	16	0	3	6	0	0	0	0
June	74.4	56.3	65.4	89	29	46	4	72	54	67	2.88	1.17	24-25	0	290	64	12.0	sw.	33	sw.	14	0	6	13	11	7	0	2	1	0	0	0	0
July.....	82.3	66.5	74.4	90	30	59	21	76	58	71	3.98	1.54	22-23	0	289	62	10.8	sw.	32	sw.	28	0	6	11	14	9	0	4	6	0	1	0	0
August....	81.8	64.5	73.2	99	13	54	2	81	60	76	2.19	1.09	26-27	0	317	74	9.7	sw.	42	ne.	26	1	14	10	7	7	0	3	1	0	9	0	0
September	73.4	56.1	64.8	88	12	37	28	77	60	73	3.95	2.71	2	0	245	65	10.6	sw.	32	sw.	22	1	16	5	9	6	0	1	2	0	0	0	0
October...	71.5	51.6	61.6	89	17	38	1	77	48	65	1.13	0.66	30-31	0	273	80	10.9	sw.	40	ne.	31	2	16	6	9	3	0	0	0	0	0	0	0
November	47.7	34.7	41.2	59	3	25	30	71	58	67	5.13	3.32	11-12	1.1	165	56	12.7	nw.	42	se.	8	3	9	6	15	7	2	0	0	0	0	11	0
December.	37.9	23.0	30.4	60	3	12	14	67	52	60	3.95	1.38	23-24	26.8	200	71	13.3	nw.	43	ne.	26	7	16	6	9	11	10	0	0	8	0	28	0
Year..	59.5	42.9	51.2	99	Aug. 13	8	Feb. 20	72	55	66	37.91	3.32	Nov. 11-12	42.4	2850	64	12.2	sw.	50	e.	Mar. 3	26	118	107	140	103	24	13	26	27	10	116	0

Elevation of instruments above ground: thermometers, 33 feet; rain gauge, 3 feet; anemometer 62 feet.

6-14-48

COMPARATIVE DATA AND EXTREMES

Month	Temperature						Precipitation				Relative humidity per cent		Sunshine		† Wind				Average number of days																		
	Average daily maximum	Average daily minimum	Normal	Absolute highest	Year	Absolute lowest	Year	Greatest in 24 hours	Normal	Greatest in 24 hours	Year	Average snowfall	Greatest snowfall in 24 hours	Year	8 a. m.	Noon—local time	8 p. m.	Total hours	Percent	Average hourly velocity	Prevailing direction	Highest velocity	Direction highest velocity	Year	(Gales (32 miles per hour or over.)	Clear	Partly cloudy	Cloudy	Rain, .01 or more	Snow (trace or more)	Thunderstorms	Dense fog	Max. temp. 90° or above	Minimum temp. 32° or below	Minimum temp. 90° or below		
L'gth of record years.	59	59	46	77	77	77	77	77	50	77	77	77	77	77	77	40	30	40	54	54	60	60	77	77	77	32	63	63	63	77	57	38	59	59	59	59	
Jan.....	35.8	20.0	27.9	70	1876	-13	1882	3.61	3.25	1881	11.8	14.7	1897	72	62	70	144	49	12.4	w.	56	sw.	1945	9	13	4	9	9	9	13	12	11	1	1	0	26	1
Feb.....	36.6	21.0	28.8	68	1930	-18	1934	3.37	4.45	1886	12.6	16.5	1921	71	59	66	166	56	12.7	w.	51	ne.	1940	10	10	2	10	8	10	12	12	10	1	0	24	1	
March.....	43.4	27.8	35.6	86	1945	-8	1872	3.57	3.04	1877	7.2	12.0	1891	70	57	68	213	58	12.9	w.	56	s.	1877	3	9	2	10	9	10	12	12	10	1	0	19	4	
April.....	54.5	38.3	46.4	89	1938	11	1874	3.34	3.19	1921	2.0	9.1	1917	69	56	68	227	57	12.1	w.	47	ne.	1891	2	9	2	9	10	11	11	11	3	1	0	4	0	
May.....	65.6	48.6	57.1	97	1880	31	1882	3.18	3.31	1920	T.	T.	.....	70	57	69	267	59	11.2	sw.	43	ne.	1938	1	10	1	12	10	11	11	10	3	1	2	0	0
June.....	75.2	57.8	66.5	100	1925	41	1945	2.89	5.35	1875	0	0	.....	72	58	71	283	62	10.7	sw.	38	ne.	1941	9	13	1	10	9	11	10	10	0	0	0	0	
July.....	80.1	63.3	71.7	104	1911	50	1879	3.49	6.04	1921	0	0	.....	71	60	72	292	63	10.3	sw.	47	sw.	1879	11	9	1	10	10	9	10	10	0	0	0	0	
August.....	77.8	62.0	69.9	101	1944	46	1940	3.62	4.99	1879	0	0	.....	76	59	77	270	63	9.9	sw.	42	ne.	1947	12	11	1	11	9	9	10	10	2	1	0	0	0
Sept.....	71.2	55.2	63.2	102	1881	34	1914	3.14	5.63	1933	0	0	.....	77	62	75	227	61	10.5	sw.	73	s.	1938	9	9	1	11	9	9	9	9	0	0	0	0	0
October.....	61.6	45.5	53.6	90	1881	25	1936	3.15	4.92	1895	T.	0.5	.....	75	56	72	197	58	11.2	w.	48	s.	1937	1	10	1	10	10	9	10	9	0	1	0	10	1
Nov.....	49.3	34.8	42.0	78	1931	-2	1875	3.33	5.43	1876	1.6	12.0	1898	73	62	71	142	48	12.0	w.	63	ne.	1945	2	9	1	9	9	12	10	9	1	0	10	22	1	
Dec.....	39.6	25.4	32.5	69	1912	-17	1933	3.45	3.36	1937	7.8	12.3	1909	74	61	69	134	48	12.2	w.	*47	se.	1942	3	9	9	9	9	13	11	11	1	0	22	1		
Year...	57.6	41.6	49.6	104	1911	-18	1934	40.14	6.04	1921	43.0	16.5	1921	73	59	71	2562	57	11.5	w.	73	s.	1938	18	118	118	129	125	42	18	14	9	106	3	3		

† Anemometer, 62 feet above ground : October 1933 to December 1935, anemometer 360 feet, record not used. \$ Less than 1. * Has occurred on previous date.

Monthly and Annual Mean Temperatures

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug	Sept	Oct.	Nov.	Dec.	An'l
1840..	20.0	30.8	34.4	48.4	55.6	66.2	71.8	70.3	59.9	49.5	36.6	24.7	47.4
1841..	27.9	22.3	33.1	41.1	53.2	67.4	69.8	68.5	62.3	44.6	36.4	30.0	46.4
1842..	27.2	31.6	37.4	44.4	51.7	62.6	72.7	67.5	58.2	47.9	34.8	23.5	46.6
1843..	29.7	16.8	25.4	43.5	54.5	64.2	69.2	69.9	60.6	47.5	34.3	26.9	45.2
1844..	15.4	24.6	33.8	48.4	57.4	65.1	68.2	67.8	64.0	45.5	34.3	27.0	46.0
1845..	27.2	27.6	36.2	46.3	56.6	68.1	72.1	71.3	60.2	51.8	44.3	25.6	48.9
1846..	27.4	21.3	38.2	49.5	55.8	65.0	71.6	70.2	66.7	51.2	43.2	27.4	49.0
1847..	26.4	25.9	30.8	42.0	53.4	64.7	73.0	68.1	61.0	47.7	44.1	34.8	47.7
1848..	29.1	24.7	32.2	45.5	57.8	64.8	70.2	69.6	58.6	49.8	36.2	34.4	47.7
1849..	21.0	18.4	35.8	43.5	52.5	67.7	71.6	69.2	60.0	49.2	45.0	28.9	46.9
1850..	27.2	29.4	32.6	42.4	51.4	67.2	71.6	67.0	61.0	51.4	41.0	25.2	47.3
1851..	25.5	29.9	36.2	44.5	55.5	64.8	71.4	68.0	61.1	52.9	34.8	22.9	47.3
1852..	20.8	27.4	32.9	41.0	56.8	67.4	72.4	66.6	62.1	50.4	38.3	35.0	47.6
1853..	25.8	29.2	35.8	45.1	56.4	66.8	70.6	67.5	61.2	47.8	39.6	26.4	47.7
1854..	23.9	23.5	32.4	42.3	58.7	65.6	74.4	68.4	61.5	52.5	41.2	24.4	47.4
1855..	28.4	20.2	32.3	44.1	53.4	65.5	72.2	67.3	61.4	51.5	40.0	28.6	47.1
1856..	16.8	20.9	27.0	44.0	52.6	68.1	72.7	67.2	63.0	51.1	38.7	24.0	45.5
1857..	15.2	33.6	32.9	41.8	54.7	63.4	71.6	68.2	62.0	51.3	41.3	33.2	47.4
1858..	30.9	22.2	31.6	45.2	52.9	67.8	69.9	66.6	61.8	53.0	35.3	28.0	47.1
1859..	25.4	28.5	38.6	42.9	58.1	64.2	69.7	68.0	58.8	46.5	42.0	24.4	47.3
1860..	27.7	25.8	38.4	44.2	56.1	65.4	68.1	69.5	59.7	50.8	43.4	26.6	48.0
1861..	23.0	32.6	35.0	44.3	54.5	65.9	71.9	67.6	62.0	54.2	38.4	30.6	48.3
1862..	22.9	22.7	32.7	44.0	58.3	63.6	69.3	70.1	60.1	53.0	40.0	27.6	47.0
1863..	28.8	25.1	27.2	44.2	59.1	65.3	73.2	73.2	60.3	51.9	42.3	25.7	48.0
1864..	25.0	27.4	34.4	42.1	56.4	67.8	73.6	73.3	60.1	47.8	39.6	27.4	47.9
1865..	16.8	24.2	37.9	49.6	58.1	73.1	73.4	71.1	66.7	48.2	40.2	29.6	49.1
1866..	22.4	27.9	32.8	47.8	53.4	66.1	74.4	65.5	62.0	49.6	41.6	27.2	47.6
1867..	18.6	32.2	30.8	44.7	53.1	66.9	69.2	70.4	60.0	50.9	38.7	23.1	46.6
1868..	22.0	20.1	32.3	42.1	50.8	64.2	73.6	69.7	59.9	46.4	36.5	25.6	45.3
1869..	27.9	28.9	26.6	43.6	54.0	64.2	70.8	67.6	62.3	48.7	36.4	28.4	46.6
1870..	32.7	24.5	30.0	46.6	57.6	68.5	72.9	71.8	62.7	53.3	41.1	32.6	49.5
M'ns	24.5	25.8	33.2	44.5	55.2	66.1	71.5	68.9	61.3	49.9	39.3	27.7	47.3

These temperature records were made at the Astronomical Observatory of Harvard College, which is located on Concord Avenue and Bond Street, Cambridge, Mass., about three miles from the Weather Bureau station in Boston, Mass.

MISCELLANEOUS DATA FOR 1947.

Barometric Pressure (reduced to sea level).—Mean, 29.98 inches, 1015.4 millibars; highest, 30.97 inches, 1048.8 millibars; Jan. 1; lowest, 28.72 inches, 972.6 millibars, March 3.

Temperature.—Greatest monthly range, 53°, January; least monthly range, 34°, Nov. Highest mean temperature of three consecutive days, 85°, Aug. 13-15; lowest mean temperature of three consecutive days, 13°, Jan. 9-11.

Precipitation.—Longest period without precipitation, 28 days, Oct. 1-28; longest period with precipitation, 8 days, Apr. 30-May 7. Greatest amount in 24 consecutive hours, 3.32 inches, Nov. 11-12. Maximum amount in 5 minutes, 0.33 inch, July 28; 10 minutes, 0.52 inch, July 28; 15 minutes, 0.69 inch, July 28; 30 minutes, 0.88 inch, July 28; 1 hour, 1.36 inches, Sept. 2.

Frost.—Last killing frost in spring, Apr. 28. First killing frost in autumn, Nov. 11.

Snow.—Greatest snowfall in 24 hours, 10.0 inches, Dec. 23-24. Greatest depth of snow on ground, 9.5 inches, Dec. 27. Last snow in spring occurred on Apr. 28; first in autumn occurred on November 12.

Thunderstorms.—First thunderstorm occurred on May 18; last thunderstorm occurred on December 27.

Monthly and Annual Mean Temperatures

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	An'l
1871...	26.0	28.6	41.5	47.0	57.9	65.9	70.8	71.7	59.3	54.0	36.6	27.9	48.9
1872...	27.4	28.1	26.0	46.6	59.4	68.9	75.6	73.0	64.5	51.8	40.6	23.2	48.8
1873...	25.1	26.3	33.9	45.0	56.8	67.3	72.9	69.8	62.8	53.5	33.4	32.0	48.2
1874...	30.5	27.0	34.4	38.8	55.4	66.0	72.6	68.0	64.4	53.2	41.6	31.3	48.6
1875...	20.1	22.3	31.4	42.6	57.9	66.7	72.1	71.0	60.6	50.2	35.0	29.6	46.6
1876...	30.7	27.4	33.4	43.9	54.6	68.8	74.0	70.2	59.9	48.2	41.4	22.2	47.9
1877...	24.8	34.2	34.9	44.2	55.0	66.8	71.1	72.2	65.2	52.0	44.2	36.4	50.1
1878...	28.0	30.6	39.6	48.2	56.5	64.6	73.7	69.7	64.2	56.1	40.8	30.3	50.2
1879...	24.2	24.6	33.6	42.4	60.2	64.8	70.8	69.3	62.0	57.6	38.8	32.3	48.4
1880...	34.6	31.8	33.2	46.4	63.7	68.6	71.8	70.8	65.2	52.2	38.2	26.7	50.3
1881...	22.0	27.9	37.2	43.6	56.6	61.7	70.2	71.4	67.6	54.4	43.6	39.0	49.6
1882...	26.0	30.4	36.0	42.8	50.6	66.8	73.2	71.5	64.0	55.4	39.0	30.4	48.8
1883...	24.4	28.8	30.8	45.2	56.5	70.1	71.7	63.2	59.8	47.7	42.8	29.1	47.9
1884...	24.1	31.2	34.2	43.8	54.8	67.2	68.6	69.7	66.9	52.6	41.4	33.8	49.0
1885...	27.4	20.6	27.6	47.2	53.2	66.8	71.8	67.8	60.1	51.6	44.0	32.7	47.6
1886...	25.8	26.6	33.3	48.6	56.8	63.2	71.2	68.2	63.1	52.0	43.2	28.4	48.4
1887...	25.0	28.7	31.5	44.2	59.6	65.2	74.6	67.6	59.8	51.5	42.2	32.4	48.5
1888...	20.1	28.3	32.2	42.6	53.0	66.8	68.8	70.2	59.8	47.8	43.8	34.6	47.3
1889...	35.8	26.0	38.2	47.8	60.3	69.2	69.4	67.4	62.8	48.5	41.6	38.0	50.7
1890...	32.4	33.2	34.9	46.3	57.0	64.2	71.0	68.9	62.9	51.0	41.8	26.0	49.1
1891...	31.1	32.0	33.6	48.0	55.8	65.0	69.0	70.0	66.7	51.6	41.4	40.4	50.4
1892...	28.3	28.4	32.9	48.4	55.9	69.6	73.0	70.2	62.5	52.7	41.2	29.9	49.4
1893...	20.7	26.8	32.8	44.4	56.3	64.8	71.4	69.6	60.0	54.8	42.2	30.4	47.9
1894...	30.1	26.6	42.5	47.0	57.6	68.8	73.7	68.0	64.8	54.0	38.2	32.2	50.3
1895...	28.8	24.6	34.6	46.0	60.2	66.8	69.3	71.0	65.7	49.6	45.4	35.6	49.8
1896...	24.9	28.7	32.0	47.2	60.3	66.1	71.8	70.7	62.2	50.2	46.5	30.4	49.2
1897...	28.4	30.9	36.9	49.0	57.6	62.3	71.6	69.6	63.1	54.4	41.4	34.0	49.9
1898...	28.7	32.8	42.8	43.8	55.8	65.8	71.8	73.1	66.2	54.2	42.0	32.0	50.8
1899...	29.0	26.8	34.0	48.1	57.8	70.0	72.6	68.8	62.0	54.5	42.1	36.2	50.2
1900...	30.0	29.3	34.0	48.6	55.2	68.6	73.8	71.1	65.0	56.6	44.6	34.4	50.8
1901...	27.6	24.2	36.2	43.5	54.3	68.2	73.4	70.7	65.4	54.4	37.2	32.4	49.0
1902...	26.6	28.8	43.4	48.4	57.6	61.3	67.8	67.6	62.6	53.6	46.2	28.5	49.6
1903...	26.8	31.4	44.4	47.8	58.5	59.8	71.4	65.0	64.4	53.9	40.0	29.0	49.4
1904...	21.6	22.6	34.6	44.6	60.8	64.0	71.4	68.7	62.5	50.6	38.2	25.8	47.1
1905...	25.1	23.4	37.2	46.8	57.6	65.2	73.2	68.6	62.0	53.6	41.6	35.1	49.1
1906...	35.7	29.7	32.4	47.2	58.0	66.4	70.1	72.0	65.0	52.5	41.7	29.1	50.0
1907...	27.0	21.6	37.9	43.4	52.4	65.1	72.4	69.6	64.4	49.8	43.2	37.2	48.7
1908...	31.0	26.8	38.6	46.8	59.0	69.8	74.1	69.4	65.8	55.4	43.6	33.3	51.2
1909...	30.3	32.6	36.8	47.8	55.8	69.4	71.5	69.4	62.6	52.8	46.4	30.8	50.5
1910...	32.0	29.5	42.0	51.6	57.6	65.2	74.9	68.8	62.8	56.0	41.2	27.5	50.8
1911...	31.8	27.0	35.4	46.1	62.4	65.6	77.1	69.0	62.6	52.6	41.8	39.4	50.9
1912...	21.4	27.7	36.0	47.4	58.6	68.0	73.2	69.0	63.7	57.4	45.6	38.5	50.5
1913...	39.2	27.7	42.4	48.0	55.2	67.5	73.8	70.8	62.0	56.4	46.5	37.8	52.3
1914...	28.7	24.3	36.7	45.3	60.4	67.3	68.6	70.4	64.6	57.0	42.7	30.4	49.7
1915...	33.0	33.2	35.8	50.8	56.6	63.9	70.1	69.1	66.8	55.7	45.4	34.2	51.2
1916...	33.0	25.5	30.6	45.6	58.6	62.6	72.6	71.8	65.0	55.5	42.6	32.6	49.7
1917...	30.2	25.8	37.2	44.0	50.7	65.8	73.3	72.8	60.2	51.9	39.4	23.7	47.9
1918...	21.0	26.9	36.7	47.8	63.3	63.9	71.0	70.4	61.2	56.2	45.0	34.7	49.8
1919...	33.2	32.6	40.8	46.9	59.1	67.2	74.0	68.8	63.9	55.1	42.8	28.7	51.1
1920...	21.0	27.6	39.2	45.0	54.6	65.8	72.4	72.0	65.2	59.8	41.7	35.6	50.0
1921...	32.1	32.6	46.2	51.8	58.0	68.2	73.2	69.8	68.5	55.2	41.6	31.4	52.4
1922...	27.2	32.0	39.8	48.7	61.4	68.6	72.0	70.4	65.2	55.1	43.8	30.9	51.3
1923...	27.0	23.4	33.9	48.2	57.6	69.3	70.0	69.4	64.2	55.5	44.6	40.4	50.3
1924...	31.9	26.6	37.4	47.2	56.2	66.6	73.8	71.8	62.2	54.6	44.6	31.1	50.3
1925...	27.2	38.0	43.0	49.8	57.4	70.9	72.4	71.2	64.0	49.3	43.6	33.6	51.7
1926...	31.0	27.8	34.2	44.8	56.0	64.3	70.5	70.4	62.4	53.4	44.2	28.6	49.0
1927...	30.6	32.6	41.6	48.3	55.2	65.0	72.2	67.4	65.0	57.9	49.6	36.0	51.8
1928...	33.0	29.6	37.0	46.8	55.4	65.0	73.2	73.6	62.4	56.6	44.8	38.5	51.3
1929...	29.0	31.7	41.4	47.1	61.0	68.4	72.6	69.3	65.2	53.2	44.7	32.6	51.4
1930...	31.8	34.1	38.3	47.6	59.4	72.4	72.6	70.5	69.4	53.0	45.0	33.2	52.3
1931...	30.6	30.6	39.3	50.2	60.3	67.2	74.0	72.2	66.9	58.5	49.4	36.6	53.0
1932...	38.8	30.6	35.6	47.4	60.2	66.4	72.8	74.0	65.2	57.1	42.8	38.1	52.4
1933...	37.8	33.7	35.7	46.5	61.6	69.6	70.8	71.8	65.8	52.7	38.3	26.8	50.9
1934...	29.6	17.5	35.1	48.0	60.6	66.9	73.2	67.3	64.6	49.6	45.6	28.4	48.9
1935...	23.2	27.8	38.4	45.2	55.5	65.5	72.6	70.7	61.4	53.8	45.4	27.1	48.9
1936...	28.2	22.8	41.8	45.2	60.6	66.2	71.1	69.7	62.6	54.4	39.5	35.0	49.7
1937...	37.4	33.2	34.1	45.2	59.1	66.4	73.2	74.6	63.0	52.6	44.0	31.2	51.2
1938...	28.0	30.6	39.1	48.7	55.8	67.2	71.8	73.6	62.2	56.0	46.4	34.0	51.1
1939...	27.8	32.2	33.2	43.6	56.4	65.6	72.3	73.8	64.5	54.2	40.8	33.4	49.8
1940...	23.0	29.6	33.1	43.6	56.2	65.1	71.6	68.4	63.3	50.6	42.9	34.3	48.5
1941...	25.2	29.4	33.4	51.6	59.8	68.2	71.4	70.6	66.0	55.9	48.0	35.2	51.2
1942...	28.6	27.0	40.8	49.7	60.8	67.4	71.1	70.7	64.6	55.8	43.8	28.6	50.7
1943...	25.5	30.6	36.0	43.4	57.6	71.2	74.1	70.1	63.0	53.8	43.3	29.4	49.8
1944...	31.0	29.6	34.1	44.6	63.2	67.0	73.8	74.7	65.0	53.8	43.2	30.8	50.9
1945...	23.8	30.5	46.3	52.5	55.2	66.6	71.9	70.8	67.1	53.1	45.5	28.5	51.0
1946...	28.4	27.6	47.2	46.2	58.0	67.5	70.8	67.8	65.8	58.4	47.8	34.8	51.7
1947...	32.6	29.6	37.7	47.2	56.9	65.4	74.4	73.2	64.8	61.6	41.2	30.4	51.2
M'ns	28.5	28.6	36.6	46.5	57.6	66.6	72.1	70.3	63.8	53.8	42.7	32.1	49.9

NOTE.—Bold-face figures indicate highest and lowest monthly means.

Maximum Amounts of Precipitation

Month	5 min's		10 min's		15 min's		30 min's		1 hour		2 hours		24 hours	
	Am't	Yr.	Am't	Yr.	Am't	Yr.	Am't	Yr.	Am't	Yr.	Am't	Yr.	Am't	Yr.
Jan...	.20	1942	.25	1936	.29	1936	.40	1936	.57	1919	.81	1919	3.25	1881
Febr.	.11	1944	.18	1944	.21	1944	.33	1920	.49	1920	.71	1920	4.45	1886
Mar.	.15	1913	.23	1913	.26	1913	.39	1913	.54	1932	1.03	1932	3.04	1877
April.	.13	1936	.19	1921	.24	1920	.31	1920	.50	1943	.75	*1931	3.19	1921
May..	.55	1932	.62	1932	.63	1932	.65	1932	.69	1926	.94	1926	3.31	1920
June.	.43	1946	.72	1905	.75	1905	.97	1941	1.21	1942	1.80	1942	5.35	1875
July..	.50	1927	.67	1916	.85	1916	1.33	1916	1.62	1921	2.45	1915	6.04	1921
Aug..	.55	1908	.91	1908	1.12	1908	1.45	1908	1.80	1901	2.27	1917	4.99	1879
Sept..	.27	1941	.43	1927	.62	1927	1.01	1911	1.10	1904	1.74	1904	5.63	1933
Oct...	.34	1928	.54	1928	.67	1928	.86	1906	1.58	1906	1.74	1906	4.92	1895
Nov.	.21	1925	.34	1947	.46	1917	.78	1947	1.18	1947	1.43	1947	5.43	1876
Dec..	.15	1937	.21	1937	.26	1937	.45	1937	.81	1937	1.47	1937	3.36	1937
High- est	.55	*1932	.91	1908	1.12	1908	1.45	1908	1.80	1901	2.45	1915	6.04	1921

** 1871 to 1946, other data 1901 to 1946. * Several occurrences.

MONTHLY AND ANNUAL PRECIPITATION

Year.	Jan.	Feb.	Mar.	Apr.	May.	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	An'l.
1818..	2.64	3.49	4.05	6.15	5.96	3.47	4.08	0.46	7.81	2.11	1.91	0.86	42.99
1819..	0.70	2.27	6.21	3.74	3.06	3.56	2.02	4.38	5.29	1.40	1.22	1.63	35.48
1820..	3.12	4.25	4.90	0.45	5.08	3.42	4.19	5.15	2.43	5.39	3.00	2.80	44.18
1821..	1.41	4.42	2.53	4.90	4.84	2.79	2.35	1.58	4.73	2.29	3.12	1.93	36.89
1822..	1.29	2.34	2.02	2.99	0.78	3.54	4.32	1.20	2.15	2.53	2.58	1.46	27.20
1823..	3.00	4.57	7.72	2.21	6.40	0.93	5.74	1.98	1.95	3.95	1.92	6.93	47.30
1824..	3.95	5.99	1.81	4.72	1.43	1.60	0.88	3.68	6.43	1.01	1.72	2.80	36.02
1825..	2.79	3.43	4.70	0.37	1.36	4.77	1.24	5.62	2.66	3.21	0.81	4.38	35.34
1826..	2.55	1.48	3.81	1.50	0.25	3.85	2.90	12.10	3.03	3.80	2.31	3.56	41.14
1827..	3.92	2.97	2.51	4.75	5.34	2.56	2.59	4.88	4.01	5.28	5.71	3.59	48.91
1828..	2.15	2.79	1.84	2.00	4.67	1.59	4.58	0.37	3.82	2.79	5.55	0.26	32.41
1829..	4.93	5.62	4.30	3.45	2.71	1.64	6.98	4.95	2.62	1.65	5.74	2.26	46.85
1830..	2.36	1.63	3.51	1.21	3.93	3.46	4.90	2.64	5.65	2.38	5.32	5.96	42.95
1831..	4.44	3.68	3.07	6.97	3.65	4.32	5.53	5.57	3.83	4.42	3.20	2.93	51.61
1832..	4.47	3.74	2.65	5.56	7.27	0.50	3.41	6.14	2.07	2.46	3.57	4.85	46.69
1833..	2.96	2.53	2.71	2.30	1.03	3.23	2.01	0.82	2.88	6.00	5.53	5.86	37.86
1834..	1.39	1.13	0.96	2.93	6.33	3.09	7.71	2.47	3.71	4.62	2.90	2.36	39.60
1835..	3.25	1.37	4.27	4.54	2.07	2.74	9.07	2.89	1.31	1.87	2.08	2.40	37.86
1836..	8.84	3.57	2.90	1.55	1.85	4.33	2.12	1.53	0.54	4.04	5.43	4.13	40.86
1837..	4.10	4.14	3.02	3.07	5.79	2.98	1.80	1.67	0.56	1.58	2.35	2.46	33.52
1838..	3.07	2.77	3.09	2.62	3.32	2.55	1.20	4.26	9.87	5.02	3.95	0.80	42.52
1839..	0.98	3.11	1.18	7.73	4.27	2.25	3.32	5.70	2.00	2.50	1.71	6.35	41.10
1840..	3.12	2.57	4.55	4.60	2.23	2.78	2.93	4.00	2.12	4.48	11.63	4.15	49.16
1841..	6.00	1.60	3.50	8.82	1.90	1.95	2.10	4.20	2.86	3.80	4.55	5.77	47.05
1842..	0.80	3.20	3.35	3.50	2.90	5.30	1.82	4.44	3.25	0.80	4.45	5.30	39.11
1843..	2.20	6.08	6.17	3.88	1.60	4.61	2.15	6.88	0.98	4.82	3.40	3.92	46.69
1844..	3.68	2.42	6.00	0.20	2.72	1.40	2.17	2.62	3.53	5.80	3.15	3.85	37.54
1845..	4.58	4.25	3.83	1.23	2.82	2.05	3.28	1.82	2.23	4.00	10.25	5.98	46.32
1846..	3.12	2.95	2.73	1.23	2.02	2.25	2.51	1.80	1.30	1.35	4.17	4.52	29.95
1847..	3.28	4.70	4.77	2.20	2.03	4.09	2.65	6.45	6.64	1.05	5.12	3.95	46.93
1848..	2.30	3.90	4.05	1.40	6.30	1.73	1.35	3.10	3.55	5.10	2.25	5.95	40.98
1849..	0.35	1.15	7.35	0.90	3.10	1.45	0.85	6.25	1.25	8.10	5.50	4.05	40.30
1850..	4.59	2.52	5.32	4.82	6.63	2.77	2.70	5.30	7.15	2.10	3.32	6.76	53.98
1851..	1.30	4.20	3.88	9.37	3.31	1.80	3.09	1.27	3.50	4.43	5.51	2.65	44.31
1852..	4.85	2.85	4.45	10.18	1.95	2.35	3.08	7.63	1.65	2.19	3.47	3.09	47.94
1853..	2.44	5.30	2.27	3.78	5.63	0.30	3.64	9.40	3.80	3.92	4.43	3.95	48.86
1854..	2.91	4.87	2.84	6.63	4.33	2.47	3.70	0.58	3.86	2.08	6.80	4.64	45.71
1855..	7.22	4.67	1.18	4.28	1.20	3.09	4.15	1.46	1.13	4.61	5.27	5.93	44.19
1856..	5.32	0.80	1.33	4.37	7.10	2.90	4.02	11.11	4.90	2.70	3.33	4.28	52.16
1857..	5.36	2.45	3.09	10.83	5.57	2.02	5.53	7.18	2.56	4.50	2.52	5.26	56.87
1858..	3.28	2.30	2.18	5.18	3.89	8.09	4.56	7.03	5.02	3.03	3.38	4.73	52.67
1859..	5.93	4.05	7.64	3.36	3.63	7.89	1.58	4.72	4.40	3.28	3.75	6.47	56.70
1860..	1.89	3.85	2.19	1.73	2.35	8.01	5.90	4.30	7.35	2.66	5.37	5.86	51.47
1861..	6.04	3.57	7.48	5.89	2.97	3.64	2.76	6.04	1.77	2.66	4.90	2.35	50.06
1862..	8.30	3.29	4.70	1.97	2.70	6.78	7.33	4.20	5.61	4.85	8.32	3.01	61.06
1863..	4.51	4.54	6.42	9.08	2.82	2.56	12.38	5.64	3.12	3.83	6.48	6.34	67.72
1864..	3.87	1.43	11.75	4.72	3.31	1.47	1.90	4.17	2.60	4.80	4.00	5.28	49.30
1865..	4.47	5.08	4.83	2.57	6.90	2.83	4.26	1.42	0.62	6.21	4.46	4.18	47.83
1866..	3.73	5.28	4.70	2.03	5.04	3.41	5.42	3.87	5.90	2.72	3.74	4.86	50.70
1867..	6.06	6.55	6.12	2.52	4.11	2.74	4.76	10.78	0.44	6.76	2.32	2.48	55.64
1868..	6.09	1.88	5.04	6.94	10.38	3.79	1.10	7.53	11.95	1.78	5.31	2.32	64.11
1869..	4.03	9.98	8.74	2.05	6.88	4.44	3.30	2.19	5.18	6.71	3.74	9.04	66.28
1870..	8.16	7.03	4.88	8.42	2.58	7.59	4.01	1.57	0.67	6.80	4.40	3.62	59.73
1871..	0.92	2.63	4.55	3.79	4.34	5.55	3.22	3.08	1.30	5.88	6.42	3.38	45.06
1872..	2.11	2.31	4.05	1.31	3.29	4.84	4.00	10.68	6.04	4.85	3.66	3.09	50.23
1873..	5.76	3.21	3.76	3.83	5.16	0.54	3.84	6.21	2.91	5.33	8.34	5.61	54.53

MONTHLY AND ANNUAL PRECIPITATION—Continued.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Anl.
1874..	4.32	3.41	1.60	7.97	3.71	3.94	3.47	6.67	2.05	1.39	2.85	2.14	43.52
1875..	3.68	3.74	5.04	4.92	3.76	7.25	3.93	3.50	3.12	4.99	5.47	0.75	50.15
1876..	1.87	4.54	7.19	3.61	2.70	1.72	5.86	1.23	3.84	1.66	11.03	3.71	48.96
1877..	3.33	0.45	9.79	4.19	3.38	3.21	2.27	4.49	0.60	8.84	9.62	1.32	51.49
1878..	7.60	4.40	5.91	6.14	1.03	2.28	4.58	7.66	3.47	6.76	8.94	6.76	65.53
1879..	2.79	4.35	3.90	6.58	0.97	6.24	3.09	6.71	1.84	0.91	2.97	4.22	44.57
1880..	3.72	4.11	3.25	2.85	1.63	0.75	6.86	2.90	2.36	3.15	2.30	3.42	37.30
1881..	7.21	4.89	9.86	1.66	4.16	7.79	2.96	1.23	2.50	2.84	3.73	3.80	52.63
1882..	3.68	4.77	3.35	2.50	6.05	1.03	3.91	1.46	10.93	2.29	1.20	2.65	43.82
1883..	3.59	2.74	2.33	2.83	5.11	2.07	2.73	0.39	1.50	6.40	2.08	3.71	35.48
1884..	6.27	5.74	4.66	4.76	3.31	4.01	4.25	5.01	0.31	3.17	3.03	4.46	49.18
1885..	5.33	3.00	1.15	3.30	4.26	3.70	1.44	7.64	1.70	5.71	5.78	2.09	45.10
1886..	7.08	7.04	3.20	1.70	3.08	1.34	1.81	3.64	2.73	3.27	3.59	3.66	42.14
1887..	4.86	3.69	3.86	2.62	1.67	1.98	3.59	3.05	0.97	2.53	2.22	2.71	33.75
1888..	2.26	2.36	3.32	2.04	5.20	2.69	1.79	6.53	6.77	3.58	4.97	4.38	45.89
1889..	4.11	1.54	1.19	3.07	4.15	2.77	5.80	3.95	3.19	3.31	4.91	1.83	39.82
1890..	2.00	2.29	5.88	2.29	4.48	2.21	1.93	2.70	5.04	5.63	0.97	3.72	39.14
1891..	4.39	3.66	3.94	1.71	1.56	3.06	3.73	3.87	2.29	5.56	2.35	3.58	39.70
1892..	4.62	2.15	3.91	0.93	5.15	3.05	2.56	4.87	1.90	2.31	4.45	1.12	37.02
1893..	2.56	6.22	2.80	3.13	5.23	2.20	1.72	6.46	1.59	2.94	1.83	5.16	41.84
1894..	3.01	3.15	1.01	3.78	4.12	0.80	3.09	3.93	2.14	5.11	3.10	4.28	36.62
1895..	3.79	1.11	2.72	3.65	2.71	1.73	2.98	3.24	1.53	6.19	8.07	2.45	40.17
1896..	2.25	3.94	5.41	1.56	1.68	2.71	2.90	2.15	6.40	3.15	3.70	1.70	37.55
1897..	3.16	2.12	2.79	3.17	4.00	4.46	4.22	3.95	2.38	0.41	6.19	3.92	40.77
1898..	3.50	4.81	1.82	6.39	4.33	1.60	4.42	6.38	1.93	7.17	5.32	2.19	49.86
1899..	4.19	3.03	5.95	1.29	0.81	2.86	2.52	2.52	5.09	2.40	2.51	1.52	34.69
1900..	4.20	6.83	4.60	1.90	5.07	1.85	2.69	2.46	4.62	3.41	4.17	2.25	44.05
1901..	1.56	0.66	6.58	7.43	6.31	1.31	5.20	3.25	2.50	3.02	2.41	8.49	48.72
1902..	1.65	4.19	5.29	2.87	1.07	1.77	2.88	2.20	2.08	4.36	1.09	4.48	33.93
1903..	3.43	3.90	5.95	4.03	0.32	7.19	2.99	3.33	2.43	3.95	1.48	2.57	41.97
1904..	4.80	2.49	2.43	9.14	3.38	2.06	1.23	2.19	5.57	2.13	1.70	2.52	39.64
1905..	4.09	1.59	2.25	2.14	1.47	5.23	1.00	3.39	5.10	0.82	1.77	3.23	32.08
1906..	2.96	2.66	5.45	2.15	4.91	2.57	5.38	1.58	2.64	3.88	2.55	3.96	40.69
1907..	2.54	1.88	1.66	3.31	3.12	2.56	1.09	1.10	7.43	2.54	6.02	4.31	37.56
1908..	2.47	2.96	2.97	1.70	3.78	1.08	3.17	4.35	0.68	3.70	0.74	2.47	30.07
1909..	3.94	4.71	3.28	3.92	2.33	4.45	0.97	3.55	5.15	1.07	4.11	3.19	40.67
1910..	4.25	3.44	1.25	2.22	1.02	4.89	1.15	0.98	2.14	1.14	3.75	2.10	28.33
1911..	2.28	2.85	2.95	2.28	0.35	3.67	4.65	4.17	2.95	2.27	4.29	3.07	35.78
1912..	2.87	2.38	4.18	3.07	4.04	0.27	5.16	1.94	1.67	1.00	2.61	5.36	34.55
1913..	2.38	2.99	4.81	4.77	3.22	0.64	2.69	2.86	2.51	6.04	2.15	3.05	38.11
1914..	3.26	3.07	4.16	5.87	2.78	1.40	2.64	3.20	0.21	1.54	2.72	3.46	34.31
1915..	6.33	3.47	T.	1.86	1.64	1.39	8.85	5.63	0.69	2.82	2.14	3.94	38.76
1916..	1.23	5.18	3.20	4.51	2.83	5.04	5.67	2.19	1.90	0.94	1.67	3.00	37.36
1917..	2.82	2.67	3.73	2.72	4.45	4.05	1.10	7.06	1.91	5.33	0.59	2.56	38.99
1918..	3.11	2.30	3.19	3.08	1.99	1.94	2.64	1.56	9.19	0.99	1.20	3.21	34.40
1919..	3.62	2.66	4.11	2.33	4.25	1.08	4.63	5.07	5.83	2.13	5.36	1.63	42.70
1920..	2.72	5.88	3.72	5.68	5.26	5.78	1.56	2.32	1.90	1.64	5.46	3.89	45.81
1921..	2.24	2.64	1.92	4.62	3.64	3.58	11.69	1.63	1.22	1.24	6.19	2.35	42.96
1922..	1.41	2.64	4.35	2.48	5.34	8.05	2.63	4.75	3.66	1.97	0.84	3.01	41.13
1923..	6.07	1.48	2.49	5.26	0.83	2.03	3.36	1.86	0.38	3.37	2.78	4.98	34.89
1924..	3.27	2.61	2.04	3.79	2.81	1.07	2.04	6.86	6.96	0.06	1.93	1.48	34.92
1925..	3.97	1.55	5.21	2.48	2.07	4.59	3.54	1.40	3.45	4.03	3.66	5.20	41.15
1926..	2.53	5.56	2.91	1.73	3.31	1.33	6.06	3.91	1.08	3.58	4.07	3.96	40.03
1927..	2.67	3.28	1.19	1.36	2.50	2.43	4.77	6.73	2.43	3.77	4.71	5.23	41.07
1928..	1.66	2.66	1.56	4.68	3.08	5.56	4.14	2.45	4.47	2.88	1.85	2.61	37.60
1929..	3.82	3.78	2.80	7.52	2.82	2.30	1.35	2.22	0.76	2.38	3.01	4.43	37.19
1930..	2.77	2.23	3.02	2.08	3.39	2.24	3.36	3.03	0.26	5.83	4.09	2.99	35.29
1931..	4.09	4.21	4.66	3.12	4.51	9.13	2.43	4.45	1.67	2.18	0.82	2.90	44.17
1932..	4.24	1.74	5.28	1.67	1.63	2.05	2.10	4.24	4.50	7.18	5.24	1.78	41.65
1933..	2.04	3.77	6.80	7.37	2.74	1.22	2.63	3.41	10.94	3.11	0.65	2.93	47.61
1934..	2.67	4.45	4.04	3.21	1.56	3.11	1.25	1.83	5.67	2.94	1.78	1.64	34.15
1935..	6.13	3.26	1.52	4.77	1.35	5.07	1.10	2.14	2.69	0.34	3.91	0.66	32.94
1936..	6.46	3.66	6.40	3.54	1.70	2.37	1.04	5.15	3.79	2.67	1.33	8.19	46.30
1937..	3.93	1.31	3.57	5.34	2.52	3.47	1.17	4.97	3.69	3.95	4.66	5.09	43.67
1938	4.91	2.38	2.42	3.22	4.42	6.30	9.46	3.31	6.00	2.43	2.89	2.80	50.54
1939..	2.18	3.79	5.23	4.54	1.29	2.70	0.75	2.14	1.01	4.77	1.14	2.91	32.45
1940..	1.68	4.78	3.83	4.58	3.28	1.80	3.17	0.85	2.32	0.76	6.24	2.76	36.05
1941..	4.21	1.70	3.40	1.70	2.43	4.29	2.90	1.55	1.18	1.92	2.40	3.19	30.87
1942	3.69	3.45	7.01	1.59	2.11	4.24	4.14	2.09	1.96	2.78	4.69	4.72	42.47
1943..	3.74	1.23	4.02	2.64	4.56	1.49	3.91	1.28	1.41	4.82	2.16	0.99	32.25
1944..	2.03	2.15	3.92	3.52	0.25	5.35	1.61	1.79	5.36	2.58	5.68	2.83	37.07
1945..	3.67	4.09	1.90	2.02	4.47	6.44	2.12	4.27	1.81	2.23	6.86	7.42	47.30
1946..	4.18	3.00	1.50	2.62	4.91	2.76	2.22	9.92	2.04	0.34	0.98	3.60	38.07
1947..	2.45	1.44	2.30	4.15	4.36	2.88	3.98	2.19	3.95	1.13	5.13	3.95	37.91
M'ns	*3.55	3.23	3.76	3.51	3.15	3.20	3.32	3.64	3.15	3.22	3.61	3.39	40.73
M'ns	†3.63	3.38	3.93	3.73	3.41	3.22	3.46	3.92	3.33	3.37	3.85	3.66	42.89

NOTE.—Bold-faced figures indicate greatest and least monthly and annual amounts. * Computed from the Weather Bureau records of 77 yrs. † Averages 130 yrs.

From 1818 to 1822, Dr. Enoch Hale; from 1823 to 1865, Jonathan P. Hall; from 1866 to 1870, Superintendent of Sewers.

BOSTON, MASS.
MAXIMUM TEMPERATURE FOR EACH DAY OF YEAR
RECORD EXTENDS FROM MARCH 1, 1872 TO DECEMBER 31, 1947

Date	January		February		March		April		May		June		July		August		September		October		November		December		Date
	Max.	Year	Max.	Year	Max.	Year	Max.	Year	Max.	Year	Max.	Year	Max.	Year	Max.	Year	Max.	Year	Max.	Year	Max.	Year	Max.	Year	
1..	70	1876	57	1916	62	1902	76	1918	89	1899	96	1879	98	1872	98	1917	96	1881	90	1881	74	1927	67	1908	...1
2..	66	1890	55	1933	59	1874	75	1918	91	1930	96	1895	*96	1941	98	1917	94	1929	85	1922	77	1929	65	1932	...2
3..	62	1913	53	1877	*60	1923	77	1892	*85	1943	98	1919	102	1911	98	1930	97	1929	85	1922	77	1929	65	1932	...3
4..	60	1932	56	1914	*62	1946	72	1923	88	1880	96	1925	104	1911	96	1928	94	1884	85	1898	74	1903	62	1916	...4
5..	60	1909	64	1890	72	1880	84	1928	86	1919	96	1919	101	1919	99	1944	93	1880	87	1922	72	1938	59	1916	...5
6..	62	1913	57	1909	70	1896	82	1928	90	1930	100	1925	101	1911	97	1931	92	1880	86	1946	73	1938	69	1912	...6
7..	63	1930	56	1925	69	1946	84	1929	95	1930	92	1925	96	1883	98	1924	102	1881	*86	1946	77	1938	66	1932	...7
8..	64	1930	66	1933	63	1878	84	1929	87	1895	93	1933	99	1937	95	1916	95	1872	88	1879	74	1938	66	1932	...8
9..	64	1937	59	1925	68	1921	77	1921	90	1889	92	1922	99	1912	95	1872	90	1897	82	1935	74	1945	64	1924	...9
10..	55	1939	59	1898	71	1878	85	1922	94	1896	*90	1933	101	1880	95	1-96	95	1931	87	1939	78	1931	64	1907	...10
11..	61	1924	58	1925	65	1927	75	1887	90	1895	93	1894	100	1911	99	1944	95	1931	81	1914	*66	1935	68	1911	...11
12..	61	1913	55	1925	69	1902	85	1945	*84	1947	95	1933	97	1908	101	1944	*89	1930	88	1928	76	1909	68	1911	...12
13..	63	1932	60	1900	73	1946	84	1896	87	1947	94	1892	97	1894	100	1944	88	1877	87	1930	69	1885	*62	1946	...13
14..	69	1932	*59	1946	76	1946	81	1945	86	1879	96	1892	95	1873	*97	1947	*92	1931	81	1923	68	1902	66	1881	...14
15..	65	1932	61	1939	72	1945	82	1896	93	1900	96	1945	96	1873	98	1944	94	1915	86	1897	70	1902	63	1918	...15
16..	57	1890	60	1910	71	1935	79	1896	93	1932	96	1891	95	1900	97	1944	96	1939	88	1897	76	1927	60	1947	...16
17..	59	1913	60	1883	66	1935	73	1931	*84	1947	95	1894	95	1900	97	1944	96	1939	88	1897	76	1927	60	1947	...17
18..	60	1913	63	1880	68	1934	83	1896	91	1936	95	1894	95	1900	97	1944	91	1915	89	1917	76	1928	60	1928	...18
19..	61	1915	58	1930	72	1903	87	1914	88	1903	96	1923	*96	1946	92	1906	*88	1946	84	1945	75	1941	64	1899	...19
20..	58	1907	68	1930	79	1945	*89	1941	90	1933	95	1931	95	1894	98	1937	87	1882	*78	1947	*71	1941	61	1895	...20
21..	68	1906	63	1906	83	1921	87	1923	93	1921	95	1923	98	1926	95	1937	94	1895	82	1920	74	1931	61	1923	...21
22..	66	1916	57	1912	69	1929	78	1926	*92	1941	103	1926	103	1926	92	1939	94	1895	78	1920	74	1931	58	1923	...22
23..	68	1906	63	1943	78	1938	85	1908	90	1941	96	1888	98	1918	96	1880	96	1895	84	1947	77	1931	64	1891	...23
24..	60	1906	67	1930	72	1920	82	1885	91	1936	94	1882	98	1933	96	1947	87	1914	80	1900	72	1931	59	1900	...24
25..	59	1916	65	1930	78	1910	81	1897	91	1932	97	1943	96	1882	95	1947	89	1926	75	1899	68	1931	65	1889	...25
26..	66	1916	56	1911	79	1922	85	1872	97	1880	94	1946	96	1892	97	1900	95	1881	74	1899	*67	1946	60	1915	...26
27..	62	1916	61	1880	76	1945	84	1935	96	1880	96	1941	98	1882	97	1901	95	1881	82	1947	72	1896	60	1895	...27
28..	63	1916	62	1903	77	1946	89	1938	92	1931	97	1901	97	1931	92	1877	90	1881	81	1927	68	1896	60	1907	...28
29..	56	1887	64	1880	86	1945	83	1903	*94	1931	99	1933	*97	1933	94	1945	87	1945	79	1918	64	1916	60	1901	...29
30..	63	1914	.....	.....	71	1907	86	1942	96	1929	95	1945	*98	1933	93	1881	83	1927	78	1918	68	1881	62	1884	...30
31..	62	1913	.....	.....	70	1936	.....	.....	96	1944	.....	.....	98	1917	97	1881	.....	.....	81	1946	.....	.....	65	1932	...31

* Has occurred on previous dates also.

BOSTON, MASS.
MINIMUM TEMPERATURE FOR EACH DAY OF YEAR
RECORD EXTENDS FROM MARCH 1, 1872 TO DECEMBER 31, 1947

Date	January		February		March		April		May		June		July		August		September		October		November		December		Date
	Min.	Year	Min.	Year	Min.	Year	Min.	Year	Min.	Year	Min.	Year	Min.	Year	Min.	Year	Min.	Year	Min.	Year	Min.	Year	Min.	Year	
1..	-3	1918	-7	1920	-1	1886	13	1923	33	1880	41	1945	51	1885	54	1891	50	1887	*38	1947	26	1885	0	1875	1..
2..	-3	1899	-5	1881	0	1886	19	1919	33	1874	42	1884	51	1883	54	1917	49	1896	34	1899	26	1879	4	1876	2..
3..	-1	1904	-5	1881	9	1938	23	1894	31	1882	44	1915	51	1914	55	1927	47	1893	35	1899	27	1875	0	1890	3..
4..	-3	1910	-2	1886	6	1943	19	1879	33	1911	44	1881	53	1914	52	1900	43	1896	34	1888	21	1879	2	1940	4..
5..	-3	1918	-10	1918	-4	1872	11	1874	35	1907	*45	1945	52	1933	55	1929	48	1896	28	1881	17	1879	4	1926	5..
6..	-10	1896	-6	1895	-8	1872	20	1881	33	1891	46	1945	50	1879	52	1881	43	1888	31	1883	21	1879	8	1935	6..
7..	-2	1896	-5	1875	2	1872	20	1943	38	1900	*45	1932	52	1902	55	1885	43	1888	30	1883	25	1884	4	1906	7..
8..	-6	1878	-12	1934	8	1883	21	1888	38	1882	42	1932	55	1909	52	1903	48	1903	*36	1935	25	1921	-4	1902	8..
9..	-3	1887	-18	1934	8	1943	*24	1888	37	1887	46	1905	53	1899	53	1899	47	1883	32	1873	26	1887	-8	1902	9..
10..	-1	1875	-5	1875	9	1929	26	1917	34	1902	45	1881	53	1890	55	1919	41	1883	33	1925	*27	1933	-1	1902	10..
11..	-4	1893	-4	1899	9	1939	25	1909	33	1900	46	1881	54	1890	54	1879	40	1917	32	1881	24	1901	-2	1876	11..
12..	-10	1886	-11	1914	7	1900	20	1874	33	1907	46	1906	54	1886	56	1913	43	1875	31	1876	26	1926	7	1934	12..
13..	-9	1914	-3	1914	3	1885	20	1874	38	1882	46	1881	*56	1933	53	1902	45	1911	30	1875	14	1883	4	1898	13..
14..	-8	1914	-3	1934	12	1896	26	1940	37	1895	46	1875	55	1937	52	1882	40	1884	31	1875	16	1905	0	1898	14..
15..	-3	1920	-14	1943	*12	1932	28	1943	36	1947	44	1884	54	1929	*54	1946	41	1913	31	1876	17	1933	-2	1874	15..
16..	-5	1920	-9	1943	10	1872	*28	1943	34	1936	48	1903	54	1884	47	1880	45	1899	30	1883	12	1933	1	1883	16..
17..	-4	1907	-11	1896	10	1916	26	1908	39	1882	48	1926	*54	1946	51	1934	45	1887	27	1886	14	1924	-4	1919	17..
18..	-1	1904	0	1896	5	1885	26	1887	38	1882	47	1920	54	1881	53	1918	43	1875	*31	1939	14	1936	-6	1919	18..
19..	-6	1904	*4	1936	5	1876	22	1875	38	1882	47	1920	54	1881	51	1882	42	1929	28	1922	14	1936	-10	1875	19..
20..	*3	1946	6	1916	10	1885	21	1897	40	1892	47	1918	54	1890	52	1905	*42	1929	32	1900	15	1894	*-11	1942	20..
21..	0	1888	0	1916	7	1885	21	1875	41	1907	48	1940	52	1890	52	1882	*40	1929	*32	1940	10	1879	-5	1942	21..
22..	-3	1888	2	1918	8	1885	26	1875	39	1894	46	1940	55	1890	47	1894	35	1904	28	1940	9	1879	1	1883	22..
23..	-6	1882	-3	1876	6	1934	29	1933	40	1882	*47	1932	*57	1934	49	1886	35	1904	29	1883	11	1880	-12	1883	23..
24..	-13	1882	-7	1894	6	1874	28	1882	36	1882	*46	1932	54	1893	50	1873	39	1885	*31	1939	11	1880	0	1892	24..
25..	-5	1935	-6	1894	10	1878	27	1892	42	1925	48	1903	53	1901	46	1940	39	1890	26	1879	13	1938	-8	1872	25..
26..	0	1927	-1	1928	28	1880	28	1919	39	1882	52	1903	56	1920	50	1942	34	1879	25	1879	*12	1938	-2	1914	26..
27..	-6	1924	-4	1900	16	1873	33	1909	39	1915	52	1897	52	1876	47	1880	37	1947	25	1936	8	1932	0	1914	27..
28..	-5	1935	2	1907	11	1923	30	1947	43	1917	52	1918	54	1884	47	1885	37	1947	26	1936	11	1873	-2	1872	28..
29..	-6	1888	3	1884	4	1923	31	1909	39	1902	49	1919	55	1880	47	1908	34	1914	26	1876	8	1875	-17	1933	29..
30..	-5	1873	.....	.....	10	1884	31	1874	35	1884	52	1919	52	1880	49	1912	36	1888	28	1928	-2	1875	-15	1933	30..
31..	-8	1920	.....	.....	15	1923	.....	.....	39	1884	.....	.....	54	1895	49	1912	.....	.....	27	1904	.....	.....	-8	1917	31..

* Has occurred on previous dates also.

SEASONAL SNOWFALL.

Years	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Season
1871-2.....	0	T.	12.3	3.4	11.3	17.3	0	0	44.3
1872-3.....	0	0.3	23.7	11.6	8.3	5.2	T.	T.	49.1
1873-4.....	0	7.5	13.7	20.3	22.7	3.9	28.3	0	96.4
1874-5.....	0	T.	5.7	10.4	0.3	27.3	6.3	0	50.0
1875-6.....	0	T.	1.1	0.5	5.4	3.0	T.	0	10.0
1876-7.....	0	0.3	9.0	17.5	T.	15.5	T.	0	42.3
1877-8.....	T.	T.	0.8	14.3	12.6	T.	0	0	27.7
1878-9.....	0	0.3	1.2	18.2	11.9	7.8	4.0	0	43.4
1879-0.....	0	6.0	18.6	3.2	11.4	15.0	0	0	54.2
1880-1.....	0	0.8	19.2	20.5	9.0	3.1	4.2	0	56.8
1881-2.....	0	1.5	T.	15.4	17.9	5.6	0	0	40.4
1882-3.....	0	10.0	6.0	9.6	9.0	4.3	T.	0	38.9
1883-4.....	0.5	T.	24.4	11.9	12.5	7.7	9.5	0	66.0
1884-5.....	0	4.8	2.3	3.9	3.3	9.5	T.	0	24.3
1885-6.....	0	0.5	5.5	21.5	4.0	4.5	T.	0	36.0
1886-7.....	0	T.	18.5	16.0	12.0	11.5	15.0	0	73.0
1887-8.....	0	T.	6.5	13.1	9.6	12.0	T.	T.	41.2
1888-9.....	0	4.8	T.	4.5	7.5	2.2	0	0	19.0
1889-0.....	0	T.	4.0	8.5	6.3	20.3	0	0	39.1
1890-1.....	T.	0	14.5	14.8	13.8	16.2	T.	0	59.3
1891-2.....	0	T.	T.	12.0	11.5	20.0	0	0	43.5
1892-3.....	0	3.0	2.0	14.6	35.3	4.5	7.9	0	67.3
1893-4.....	0	0.4	18.5	15.0	21.6	T.	8.5	0	64.0
1894-5.....	0	6.7	13.5	13.9	8.8	3.8	0.5	0	47.2
1895-6.....	0	T.	5.2	9.5	9.5	14.5	0.2	0	38.9
1896-7.....	0	2.2	8.6	18.2	10.9	3.3	T.	0	43.2
1897-8.....	0	8.1	7.8	16.3	11.5	6.0	2.2	0	51.9
1898-9.....	0	17.8	7.7	6.1	30.2	9.3	T.	0	71.1
1899-0.....	T.	0.1	T.	8.3	9.0	7.6	0	T.	25.0
1900-1.....	0	0.1	0.8	7.8	8.8	T.	0	0	17.5
1901-2.....	0	0	12.6	11.0	13.0	7.5	T.	0	44.1
1902-3.....	T.	T.	22.8	4.2	14.7	0.3	T.	0	42.0
1903-4.....	0	0	10.6	35.7	16.5	8.9	1.4	0	73.1
1904-5.....	T.	T.	12.0	21.3	8.0	3.6	T.	0	44.9
1905-6.....	0	T.	3.5	6.1	6.1	21.9	T.	0	37.6
1906-7.....	0	1.1	15.5	16.1	25.5	6.6	3.1	T.	67.9
1907-8.....	0	0	7.0	4.3	9.3	4.8	0.8	0	26.2
1908-9.....	0	T.	3.5	11.2	2.3	3.1	0	0	20.1
1909-0.....	T.	T.	12.3	11.9	12.6	0.2	0	0	37.0
1910-1.....	0	1.4	8.2	0.7	19.5	3.1	7.7	0	40.6
1911-2.....	0	0.3	3.7	17.8	0.2	9.1	0.5	0	31.6
1912-3.....	0	0.3	9.2	0.3	7.7	0.5	1.4	0	19.4
1913-4.....	0.4	T.	0.9	10.3	20.6	5.2	2.0	0	39.4
1914-5.....	T.	T.	4.1	7.0	5.1	T.	6.1	0	22.3
1915-6.....	0	0.2	6.7	4.8	30.3	33.0	4.2	0	79.2
1916-7.....	0	0.7	9.5	13.1	8.9	12.9	9.1	T.	54.2
1917-8.....	0	2.2	7.0	13.8	5.7	12.8	4.2	0	45.7
1918-9.....	0	T.	8.4	4.1	6.2	2.4	T.	0	21.1
1919-0.....	0	0.2	2.9	24.8	32.5	11.0	2.0	T.	73.4
1920-1.....	0	1.8	5.5	3.6	23.2	T.	T.	0	34.1
1921-2.....	0	1.6	4.4	2.7	15.5	10.1	3.3	0	37.6
1922-3.....	0	0.9	14.7	28.0	14.3	10.6	T.	0	68.5
1923-4.....	0	T.	3.0	8.5	10.4	7.4	3.0	0	32.3
1924-5.....	0	0.5	0.2	20.7	T.	T.	T.	0	21.4
1925-6.....	T.	T.	0.5	7.4	27.6	2.8	T.	0	38.3
1926-7.....	0	T.	24.2	16.1	19.2	0.6	0.2	0	60.3
1927-8.....	0	0.5	T.	5.1	8.7	6.5	T.	0	20.8
1928-9.....	T.	1.4	4.6	13.5	21.4	4.0	0.6	0	45.5
1929-0.....	0	3.0	10.6	7.7	9.5	0.6	T.	0	31.4
1930-1.....	T.	0.1	7.7	11.7	14.0	7.3	T.	0	40.8
1931-2.....	0	T.	1.4	6.2	10.8	5.8	T.	0	24.2
1932-3.....	0	T.	8.6	1.3	20.6	5.1	5.0	0	40.6
1933-4.....	0	2.9	15.6	0.8	32.9	10.5	T.	0	62.7
1934-5.....	T.	T.	1.6	26.7	13.1	2.1	1.9	0	45.4
1935-6.....	0	1.0	0.3	12.7	12.6	2.9	T.	0	20.5
1936-7.....	0	4.4	0.7	2.0	T.	1.9	T.	0	9.0
1937-8.....	0	0.3	4.6	29.6	10.0	0.3	0.9	0	45.7
1938-9.....	0	10.0	1.3	7.5	4.7	16.5	0.2	0	40.2
1939-0.....	0	1.0	6.5	4.6	23.8	0.3	1.5	0	37.7
1940-1.....	T.	8.5	4.5	20.4	1.3	13.1	0	T.	47.8
1941-2.....	T.	T.	0.2	8.2	6.2	7.9	1.5	0	24.0
1942-3.....	0	T.	6.8	26.4	4.5	8.0	T.	0	45.7
1943-4.....	0	T.	0.3	5.1	9.6	12.7	T.	0	27.7
1944-5.....	0	1.2	6.9	24.3	26.3	0.5	0	T.	59.2
1945-6.....	0	4.9	24.6	9.8	9.8	0.2	1.5	0	50.8
1946-7.....	0	T.	4.0	4.0	9.0	0.9	0.6	0	19.4
1947-8.....	0	1.1	26.8	.....	.....	.....	.....	.....	.....
Means.....	T.	1.7	7.8	11.8	12.5	7.2	2.0	T.	43.0

Daily Maximum Temperature, 1947

Date	January	February	March	April	May	June	July	August	September	October	November	December
1.....	30	40	36	54	59	78	86	72	77	59	50	40
2.....	32	30	41	47	42	79	83	70	76	60	58	46
3.....	37	39	43	42	46	69	79	79	84	61	59	60
4.....	30	51	37	50	65	62	74	75	86	75	55	52
5.....	37	51	43	45	55	68	83	83	76	74	53	31
6.....	32	27	48	74	70	87	85	82	79	80	54	30
7.....	40	45	45	61	63	60	79	83	87	83	56	40
8.....	39	37	41	56	48	52	73	86	74	77	59	45
9.....	28	26	46	45	50	67	76	74	75	62	49	43
10.....	26	36	40	61	62	65	84	76	86	63	49	37
11.....	46	37	40	71	73	76	86	79	86	68	49	38
12.....	46	34	47	75	84	89	83	93	88	66	51	39
13.....	30	37	56	61	87	67	87	99	88	70	44	34
14.....	38	53	57	44	55	77	87	97	75	74	42	32
15.....	39	50	57	66	53	80	87	96	84	80	40	46
16.....	45	45	43	47	64	74	81	75	77	83	48	60
17.....	41	43	40	55	62	72	84	70	74	89	45	38
18.....	45	52	39	59	57	71	88	75	79	82	44	44
19.....	30	33	49	55	53	68	79	90	72	78	45	31
20.....	58	27	49	42	83	62	76	77	60	78	41	36
21.....	53	25	44	38	66	75	75	72	71	72	42	39
22.....	20	25	45	44	72	79	74	82	76	74	45	33
23.....	28	32	54	51	64	73	79	92	59	84	52	34
24.....	52	32	58	72	85	65	82	96	62	59	50	30
25.....	54	38	56	54	70	80	87	95	59	66	47	28
26.....	47	40	30	51	78	87	87	90	56	70	45	36
27.....	43	37	35	67	77	88	85	70	57	82	38	34
28.....	60	35	38	51	79	88	81	73	58	77	46	34
29.....	41		48	61	78	89	82	77	64	68	38	22
30.....	59		42	71	73	86	90	72	57	51	36	28
31.....	61		48		70		88	86		50		35
Mean	40.9	37.8	45.0	55.7	65.9	74.4	82.3	81.8	73.4	71.5	47.7	37.9

Maximum temperature for year 99°, August 13th.

Daily Minimum Temperature, 1947

Date	January	February	March	April	May	June	July	August	September	October	November	December
1.....	13	24	22	33	40	52	69	57	58	38	38	23
2.....	19	20	34	37	38	60	67	54	64	47	37	30
3.....	27	19	30	30	40	49	61	60	64	47	39	40
4.....	20	32	28	31	44	46	61	63	65	48	46	21
5.....	17	13	29	38	46	50	62	63	66	53	47	18
6.....	22	10	37	41	45	55	66	64	65	58	44	22
7.....	23	26	33	41	44	52	64	66	66	60	41	26
8.....	28	15	27	37	40	48	63	68	63	61	44	33
9.....	8	11	30	37	37	47	65	66	60	48	38	25
10.....	8	23	31	37	36	50	69	63	62	42	36	23
11.....	25	25	32	45	42	54	69	61	70	48	33	28
12.....	18	20	34	55	58	57	71	65	72	48	33	25
13.....	11	18	32	42	55	57	67	71	66	50	31	21
14.....	30	31	39	40	39	57	69	75	66	57	32	12
15.....	31	35	38	43	36	63	70	74	68	54	26	28
16.....	38	32	29	39	39	60	70	62	61	56	33	35
17.....	32	31	29	38	52	56	71	60	56	60	34	31
18.....	19	30	25	41	52	60	73	59	57	65	33	19
19.....	13	13	24	40	48	56	71	65	52	65	30	18
20.....	29	8	30	34	50	53	63	63	45	64	28	17
21.....	20	11	35	32	48	50	59	64	49	56	29	26
22.....	14	11	31	32	50	55	68	64	47	50	28	24
23.....	15	19	34	34	55	57	63	69	40	48	40	22
24.....	28	16	42	44	57	52	62	71	46	39	36	18
25.....	37	24	30	42	51	55	66	73	52	40	38	14
26.....	33	29	23	40	62	63	67	68	42	53	36	20
27.....	37	28	23	38	59	67	67	62	37	55	28	24
28.....	34	24	26	30	56	68	68	60	37	57	30	21
29.....	33		30	37	65	69	69	64	46	46	29	14
30.....	34		29	50	54	70	68	60	40	44	25	13
31.....	38		26		48		69	65		44		21
Mean	24.3	21.4	30.4	38.6	47.9	56.3	66.5	64.5	56.1	51.6	34.7	23.0

Minimum temperature for year 8°, February 20th.

Daily Precipitation, 1947

Day	January	February	March	April	May	June	July	August	September	October	November	December
1.....	.08	.....	T.	.....	.40	T.	T.	.....	.....	.....	T.	.....
2.....	.57	T.	1.61	1.00	.91	T.	T.	.....	2.71	T.	.....	.....
3.....	.11	.....	.18	.24	.43	.44	.....	.....	.....	.....	T.	T.
4.....	T.	.35	T.	.....	.43	.....	.....	.....	.....	.....	T.	T.
5.....	.01	T.	.....	.77	.23	.....	T.	.....	.....	.....	T.	.48
6.....	.04	T.	.....	T.	T.	T.	T.	.....	.....	.....	.08	T.
7.....	T.	T.	.....	.....	.09	T.	T.	.02	.....	.....	.....	.12
8.....	T.	.13	.....	.....	.....	1.11	T.	T.	.....	.....	.62	.09
9.....	.....	.....	T.	.01	.....	.06	.04	.02	.....	.....	T.	.....
10.....	.....	.....	.04	.....	.....	.....	T.	T.	.....	.....	.....	.08
11.....	T.	.....	.03	.....	.....	.....	T.	.....	.....	.....	.21	.11
12.....	.....	.....	.....	.02	.....	.....	T.	.....	.....	.....	3.11	.....
13.....	.....	.....	.06	T.	.08	.....	.14	.....	.10	.....	.....	.....
14.....	.10	.....	.29	.03	.11	.04	.....	.....	.52	.....	.....	.....
15.....	.30	.....	T.	.....	.....	T.	.....	.33	T.	.....	.....	.02
16.....	.01	T.	T.	.49	T.	.....	.06	.72	T.	.....	.....	.36
17.....	.....	T.	T.	.....	.....	.....	.34	.01	.....	.....	T.	.....
18.....	.....	.....	.....	T.	.35	T.	.....	T.	.....	T.	.....	T.
19.....	.....	.....	.....	.....	.....	.04	T.	.....	.06	.....	.....	.....
20.....	.91	T.	.....	.45	.20	T.	.....	T.	.....	.....	.....	.....
21.....	T.	.95	.....	.42	.01	.....	.50	T.	.....	.....	.....	T.
22.....	.....	.01	.....	.....	.38	.....	1.01	.....	.50	.....	T.	.....
23.....	.....	.....	.....	.....	.09	.....	.90	.....	.....	.....	.16	1.22
24.....	T.	.....	.04	.....	T.	1.11	.....	.....	.....	.....	.94	.16
25.....	T.	T.	.05	.35	.58	.08	.....	.....	T.	.....	.....	.....
26.....	T.	.....	T.	.10	.05	T.	.....	1.06	.....	.....	.....	1.03
27.....	.13	T.	.....	.18	.....	T.	.....	.03	.....	.....	.....	.28
28.....	.....	.....	.....	T.	T.	.....	.96	.....	.....	.....	T.	T.
29.....	T.	.....	.....	.....	T.	.....	T.	.....	.....	.44	.01	.....
30.....	.01	.....	T.	.09	.02	.....	.....	.....	.06	.41	.....	.....
31.....	.18	.....	.....	.....	.....	.....	.03	T.	.....	.28	.....	.....
Total.....	2.45	1.44	2.30	4.15	4.36	2.88	3.98	2.19	3.95	1.13	5.13	3.95

T. indicates a trace.

Average Monthly and Seasonal Degree Days (Base 65°F.)

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Seasonal
1915-16.....	88	295	592	957	987	1142	1066	582	210	114	6033
1916-17.....	85	310	675	1007	1079	1096	862	631	443	72	6260
1917-18.....	165	407	766	1281	1361	1065	876	514	107	95	6637
1918-19.....	145	293	601	938	983	907	752	544	211	73	5447
1919-20.....	82	316	669	1126	1366	1085	795	600	325	102	6466
1920-21.....	54	173	700	910	1020	909	582	401	269	35	5053
1921-22.....	22	307	703	1040	1172	921	786	491	147	37	5626
1922-23.....	83	336	637	1057	1179	1165	965	519	252	50	6243
1923-24.....	75	301	611	760	1027	1113	852	533	272	69	5613
1924-25.....	130	328	611	1052	1171	754	682	463	242	21	5454
1925-26.....	117	484	644	973	1053	1042	954	601	284	95	6247
1926-27.....	109	372	623	1126	1066	905	727	510	307	67	5812
1927-28.....	61	254	466	899	991	1031	867	548	299	84	5500
1928-29.....	127	289	612	819	1118	932	731	540	185	44	5397
1929-30.....	107	365	617	1002	1030	866	829	524	222	14	5576
1930-31.....	28	379	598	983	1069	968	798	447	212	53	5535
1931-32.....	71	220	470	883	816	997	910	527	199	66	5159
1932-33.....	73	273	667	840	841	874	910	556	159	53	5246
1933-34.....	55	384	800	1184	1098	1332	928	512	173	58	6524
1934-35.....	53	476	583	1135	1295	1040	823	601	318	96	6420
1935-36.....	126	348	586	1176	1142	1224	711	598	183	41	6135
1936-37.....	122	338	769	932	854	891	954	595	210	35	5700
1937-38.....	128	387	631	1046	1150	964	802	496	291	51	5946
1938-39.....	114	295	564	959	1147	920	987	640	296	62	5984
1939-40.....	89	358	727	981	1302	1029	990	642	269	75	5462
1940-41.....	111	450	664	953	1228	998	981	409	199	61	6054
1941-42.....	89	299	511	923	1132	1063	749	466	164	61	5457
1942-43.....	103	288	646	1132	1226	967	902	649	243	18	6174
1943-44.....	120	355	648	1097	1051	1030	956	608	121	76	6062
1944-45.....	90	363	657	1062	1280	965	585	388	313	94	5797
1945-46.....	71	368	584	1133	1133	1050	561	565	237	74	5776
1946-47.....	57	234	515	940	1001	992	847	537	286	86	5495
1947-48.....	137	164	715	1073	.....	.....	.....	.....	.....	.....	.....
**Normal	7	15	98	338	647	1008	1108	1025*	841	538	245	66	5936

* 28 1/2 days.

** Normals based on period 1898-1946.

Daily Cloudiness, 1947
[Daylight hours; scale 0 to 10]

Date	January	February	March	April	May	June	July	August	September	October	November	December
1.....	10	0	5	7	10	6	5	1	2	3	8	1
2.....	10	4	10	10	10	10	4	2	9	9	1	7
3.....	10	4	8	1	10	10	7	6	3	4	9	8
4.....	5	10	7	4	9	2	8	0	1	0	10	3
5.....	3	7	6	10	10	9	4	0	9	1	10	10
6.....	3	5	5	8	7	9	7	1	3	4	9	3
7.....	9	8	5	3	10	9	6	6	6	0	6	6
8.....	1	10	9	4	5	10	9	8	4	9	9	10
9.....	0	1	5	10	7	9	9	10	1	8	2	2
10.....	4	4	9	3	0	4	8	5	1	1	1	2
11.....	10	1	9	3	6	6	8	5	2	1	8	5
12.....	4	1	2	10	8	5	8	0	1	0	10	3
13.....	7	4	5	10	9	2	7	1	4	7	1	1
14.....	10	6	10	10	8	10	2	0	10	0	1	4
15.....	10	10	4	1	0	5	4	2	7	0	7	8
16.....	10	10	0	10	6	5	7	10	9	0	8	5
17.....	7	10	6	3	4	5	8	6	1	1	1	2
18.....	2	0	2	4	10	8	7	5	0	6	1	7
19.....	8	1	1	6	9	7	9	7	10	8	2	3
20.....	10	7	4	10	8	7	9	10	2	2	6	0
21.....	4	10	8	10	10	1	8	9	9	0	1	3
22.....	2	9	8	3	10	0	10	2	9	1	9	1
23.....	4	3	3	8	7	4	9	3	2	1	9	10
24.....	7	1	10	9	2	10	2	1	9	7	8	2
25.....	5	8	7	10	9	8	2	1	10	8	8	1
26.....	9	3	8	6	7	7	3	5	1	8	8	10
27.....	10	7	4	9	2	2	3	8	2	2	6	10
28.....	4	6	5	1	9	6	8	8	1	4	9	9
29.....	10		8	8	7	2	7	3	2	9	6	0
30.....	10		3	9	6	4	3	7	7	10	4	1
31.....	4		0		2		9	5		9		8
Mean.....	6.5	5.4	5.7	6.7	7.0	6.1	6.5	4.4	4.6	4.0	5.9	4.7

Note.—Clear (0 to 3). Partly cloudy (4 to 7) Cloudy (8 to 10).

Normal Daily Mean Temperatures, 46 Years (1875-1921)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1.....	29	27	31	41	52	62	70	72	67	59	48	36
2.....	29	28	31	41	52	63	70	72	67	58	47	36
3.....	29	28	32	42	53	63	70	72	66	58	47	36
4.....	29	28	32	42	53	63	71	72	66	58	46	36
5.....	29	28	32	42	53	64	71	72	66	58	46	35
6.....	29	28	32	43	54	64	71	72	66	57	46	35
7.....	28	28	33	43	54	64	71	71	66	57	45	35
8.....	28	28	33	44	54	64	71	71	65	57	45	34
9.....	28	28	33	44	55	65	71	71	65	56	44	34
10.....	28	28	34	44	55	65	72	71	65	56	44	34
11.....	28	28	34	45	56	65	72	71	65	56	44	34
12.....	28	28	34	45	56	66	72	71	64	55	43	33
13.....	28	28	34	46	56	66	72	71	64	55	43	33
14.....	28	28	35	46	56	66	72	70	64	54	42	33
15.....	28	29	35	46	57	66	72	70	64	54	42	32
16.....	28	29	35	47	57	67	72	70	63	54	42	32
17.....	28	29	36	47	58	67	72	70	63	53	41	32
18.....	28	29	36	47	58	67	72	70	63	53	41	32
19.....	28	29	36	48	58	68	72	70	62	53	41	32
20.....	28	29	37	48	58	68	72	69	62	52	40	31
21.....	27	30	37	48	59	68	72	69	62	52	40	31
22.....	27	30	37	49	59	68	72	69	62	52	40	31
23.....	27	30	38	49	60	68	72	69	61	51	39	31
24.....	27	30	38	50	60	69	72	69	61	51	39	31
25.....	27	30	38	50	60	69	72	68	61	50	38	30
26.....	27	30	39	50	60	69	72	68	60	50	38	30
27.....	27	31	39	51	61	69	72	68	60	50	38	30
28.....	27	31	40	51	61	70	72	68	60	49	37	30
29.....	27		40	51	61	70	72	68	59	49	37	30
30.....	27		40	52	62	70	72	67	59	48	37	30
31.....	27		41		62		72	67		48		29
Mean	27.9	28.8	35.6	46.4	57.1	66.5	71.7	69.9	63.2	53.6	42.0	32.5

Annual mean, 49.6°.

Percentage of Possible Sunshine

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1893..	..	55	60	53	48	46	62	56	62	64	63	47	..
1894..	46	54	60	52	57	62	73	64	58	48	49	52	57
1895..	49	74	58	50	63	50	55	67	68	61	37	43	57
1896..	52	54	56	61	58	57	51	61	51	38	37	64	53
1897..	46	54	44	57	43	56	48	63	69	67	40	46	53
1898..	56	48	52	43	44	51	55	56	71	50	43	54	52
1899..	63	54	44	73	65	71	68	49	58	44	56	63	59
1900..	52	49	64	58	51	68	69	61	60	43	41	50	56
1901..	45	70	43	27	47	73	58	52	58	69	45	42	52
1902..	52	58	50	44	65	65	55	71	51	57	41	50	55
1903..	50	59	55	65	77	40	65	58	77	62	61	59	61
1904..	51	53	53	53	62	55	60	61	61	54	48	38	54
1905..	51	63	60	65	66	59	69	63	51	65	61	45	60
1906..	49	65	60	63	68	64	63	68	72	50	44	28	58
1907..	31	48	52	51	47	62	73	73	42	58	35	45	51
1908..	58	60	53	63	59	80	64	59	65	60	56	49	61
1909..	35	52	60	59	63	79	81	73	57	66	40	55	60
1910..	42	58	70	59	52	57	73	66	56	61	34	45	56
1911..	37	47	64	75	73	67	73	65	64	51	58	47	60
1912..	46	66	64	58	62	86	74	70	60	66	58	56	64
1913..	48	68	52	59	60	78	73	67	60	26	51	49	58
1914..	36	65	45	54	56	61	55	47	73	61	50	43	54
1915..	45	56	79	55	66	64	60	60	73	58	54	49	60
1916..	50	47	61	51	61	61	56	71	73	68	54	59	59
1917..	40	58	61	51	47	56	66	72	71	54	65	40	57
1918..	56	57	67	62	69	67	59	62	55	48	48	39	57
1919..	46	72	47	46	61	73	65	61	52	39	42	44	54
1920..	50	46	64	46	56	52	74	57	60	67	30	53	55
1921..	55	54	57	43	64	73	59	79	72	65	32	46	58
1922..	58	38	48	62	73	55	64	52	67	62	47	34	55
1923..	39	54	52	60	64	62	55	67	59	58	49	42	55
1924..	55	65	63	56	50	64	75	64	59	73	58	43	60
1925..	48	53	57	65	61	68	65	69	56	42	54	47	57
1926..	36	43	57	59	63	59	58	47	58	57	54	46	53
1927..	45	40	69	85	48	67	52	54	71	74	45	53	59
1928..	65	65	67	70	58	55	65	57	51	67	36	60	60
1929..	58	55	57	45	72	76	80	69	55	56	46	42	59
1930..	38	61	64	73	60	67	59	69	73	57	52	46	60
1931..	71	57	52	68	63	59	53	56	65	65	51	44	59
1932..	32	44	60	64	75	64	74	79	72	51	56	53	60
1933..	59	70	53	49	63	63	63	56	53	64	50	33	56
1934..	40	62	64	69	69	63	62	56	32	55	44	49	55
1935..	48	44	61	40	56	46	54	62	43	73	31	44	50
1936..	59	54	55	48	71	64	80	59	57	58	50	40	58
1937..	41	55	64	52	54	53	67	60	69	47	48	53	55
1938..	41	39	47	58	62	66	52	76	57	52	54	44	55
1939..	40	46	49	44	62	65	70	61	62	44	58	38	54
1940..	59	50	58	49	49	60	64	71	60	62	32	33	55
1941..	43	57	58	64	58	57	53	69	77	60	74	44	60
1942..	61	63	49	53	35	46	57	66	57	63	44	39	53
1943..	45	56	60	60	56	69	55	56	51	41	54	55	55
1944..	54	62	55	53	69	48	64	72	50	61	44	62	58
1945..	57	56	58	57	37	50	52	59	50	52	41	50	51
1946..	52	56	79	51	54	68	65	61	65	72	57	54	62
1947..	51	68	67	58	52	64	62	74	65	80	56	71	64
Mean	49	56	58	57	59	62	63	63	61	58	48	48	57

Office Locations, 1870-1947.

On October 29, 1870, a meteorological station of the Signal Corps was established at the Old State House. It was moved to 103 Court St., on January 1, 1871, and to the Equitable Building, Milk St., on August 12, 1875, then to the Post Office Building, East Tower, on October 1, 1884, remaining there until the building was razed. From January 7, 1929 until September 29, 1933 observations were taken at Young's Hotel Building, Court St. The new Post Office then being ready for occupancy, the City Office of the Weather Bureau moved into the 19th floor, and observations were taken on the roof, 336 feet above the ground until the end of 1935. Meanwhile a meteorological station was established at the East Boston Airport, where pibal observations began November 1, 1926. Beginning January 1, 1936 the Weather Bureau Airport Station readings became the official record for Boston.

By act of October 1, 1890, the Weather Bureau was organized under the Department of Agriculture, and on July 1, 1891 the Civil Weather Service was transferred from the Signal Corps of the Army. On June 30, 1940 the Weather Bureau was transferred to the Department of Commerce.

Hours of Sunshine

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1893...	.....	161	221	212	219	222	289	241	231	219	184	130	.....
1894...	135	159	222	208	260	286	340	275	216	165	143	148	2556
1895...	143	218	215	202	287	254	253	289	255	208	110	123	2557
1896...	155	167	208	246	263	260	235	262	191	132	110	184	2412
1897...	136	159	165	227	196	258	220	270	258	230	119	132	2370
1898...	164	142	194	174	198	234	252	242	266	171	126	153	2316
1899...	185	160	163	292	292	323	316	210	216	150	164	180	2652
1900...	154	146	237	234	232	311	320	261	225	146	120	142	2527
1901...	134	208	158	106	212	332	266	223	218	236	134	121	2349
1902...	152	170	187	175	295	295	253	304	190	196	120	142	2479
1903...	149	174	203	261	347	183	300	249	289	212	180	168	2715
1904...	151	164	197	211	281	249	277	262	229	184	141	107	2452
1905...	150	188	224	261	298	268	319	271	191	224	179	127	2700
1906...	144	192	223	254	307	293	289	292	271	173	130	81	2649
1907...	91	141	192	204	211	284	336	312	159	199	103	129	2363
1908...	171	186	196	254	267	366	314	255	243	206	166	133	2760
1909...	102	155	223	237	283	361	374	314	213	225	119	157	2763
1910...	123	171	259	236	233	259	338	282	208	210	101	127	2547
1911...	110	141	238	300	329	306	338	281	241	175	171	135	2764
1912...	136	202	238	234	281	390	339	301	224	226	170	160	2902
1913...	141	203	193	236	272	353	335	287	224	90	150	140	2623
1914...	106	192	166	217	252	279	254	201	274	209	148	122	2419
1915...	134	166	292	220	299	291	275	256	275	200	160	138	2705
1916...	149	144	228	206	274	278	260	306	275	232	160	167	2678
1917...	118	171	224	204	214	257	306	307	267	186	193	112	2558
1918...	165	170	248	250	311	304	271	264	207	165	143	110	2608
1919...	134	213	173	185	276	330	301	260	193	134	125	126	2451
1920...	147	143	237	183	252	238	343	246	226	228	88	152	2484
1921...	163	159	210	174	288	332	274	339	269	224	94	132	2659
1922...	172	114	178	248	332	251	294	224	252	214	139	96	2514
1923...	116	160	193	241	291	281	255	286	222	200	145	118	2512
1924...	162	199	234	224	225	289	347	275	222	251	171	122	2723
1925...	141	156	210	261	274	311	301	294	209	145	160	134	2596
1926...	106	126	211	236	283	270	268	200	215	196	160	130	2401
1927...	133	118	255	343	218	306	241	233	266	253	132	152	2651
1928...	191	201	247	279	262	249	298	242	193	230	105	171	2669
1929...	171	162	211	182	326	346	367	296	205	193	136	118	2712
1930...	113	181	236	293	271	306	274	294	275	195	155	130	2724
1931...	208	170	193	275	284	268	244	240	243	223	149	125	2621
1932...	96	137	222	257	338	291	343	339	268	174	165	150	2781
1933...	175	207	195	197	282	289	291	239	200	218	149	95	2537
1934...	118	183	237	278	311	287	286	241	120	187	130	140	2518
1935...	142	132	225	162	254	207	248	267	163	251	90	126	2265
1936...	175	167	204	192	320	289	369	254	212	198	148	115	2644
1937...	121	163	236	208	244	241	309	257	259	162	141	150	2492
1938...	121	114	176	233	279	302	242	326	213	178	160	126	2470
1939...	119	135	180	177	276	295	325	260	230	150	170	108	2428
1940...	174	153	214	197	221	275	293	305	224	213	96	93	2460
1941...	127	170	217	257	262	259	243	294	290	205	217	125	2666
1942...	181	188	183	214	160	208	262	281	214	215	129	110	2346
1943...	133	166	222	240	255	315	255	241	192	140	158	155	2472
1944...	161	190	204	211	310	217	293	310	187	209	130	177	2599
1945...	170	166	214	227	168	227	240	254	187	178	122	142	2295
1946...	152	167	291	207	244	313	303	263	245	251	168	154	2758
1947...	150	202	250	233	236	290	289	317	245	273	165	200	2850
Aver ^d .	144	166	214	227	266	283	292	271	227	198	143	134	2568
Posible	295	†297	371	401	452	455	461	429	374	343	295	284	4457

† Leap years not considered.

EXTREMES OF BAROMETRIC PRESSURE, 1872-1947

Sea Level Pressure

MONTH	PRESSURE						
	Average	Maximum	Year	Day	Minimum	Year	Day
January.....	30.05	31.00	1920	31	28.67	1913	3
February.....	30.01	31.03	1920	1	28.69	1895	8
March.....	29.97	31.02	1943	9	28.45	1932	7
April.....	29.97	30.72	1945	12	28.86	1943	14
May.....	29.97	30.63	1936	22	29.09	1945	11
June.....	29.96	30.57	1884	15	29.26	1923	27
July.....	29.96	30.51	1892	7	29.21	1932	2
August.....	30.01	30.48	1934	31	29.26	1924	26
September.....	30.07	30.65	1888	7	28.62	1944	15
October.....	30.03	30.76	1879	26	28.97	1925	25
November.....	30.04	30.87	1932	28	28.73	1873	18
December.....	30.03	30.96	1887	1	28.49	1942	2
Average or Extremes.....	30.01	31.03	1920	Feb. 1	28.45	1932	Mar. 7

KILLING FROSTS

Year	Latest date in spring	Earliest date in autumn	Year	Latest date in spring	Earliest date in autumn
1872.....	April 23	Nov. 5	1912.....	April 9	Oct. 16
1873.....	Mar. 30	Oct. 9	1913.....	April 10	Nov. 1
1874.....	May 3	Nov. 12	1914.....	April 14	Oct. 28
1875.....	April 22	Oct. 13	1915.....	April 4	Nov. '18
1876.....	April 10	Oct. 12	1916.....	April 9	Nov. 6
1877.....	April 19	Oct. 28	1917.....	April 11	Nov. 5
1878.....	Mar. 26	Nov. 3	1918.....	April 12	Nov. 12
1879.....	April 20	Sept. 26	1919.....	April 26	Oct. 30
1880.....	April 13	Oct. 25	1920.....	April 11	Nov. 11
1881.....	April 15	Oct. 5	1921.....	April 18	Oct. 26
1882.....	May 16	Nov. 3	1922.....	April 21	Oct. 19
1883.....	April 26	Oct. 6	1923.....	April 19	Nov. 1
1884.....	April 22	Oct. 19	1924.....	April 3	Oct. 23
1885.....	April 15	Nov. 1	1925.....	April 21	Oct. 28
1886.....	April 9	Oct. 17	1926.....	April 20	Nov. 5
1887.....	April 19	Oct. 26	1927.....	April 9	Nov. 8
1888.....	April 25	Sept. 30	1928.....	April 17	Oct. 27
1889.....	April 8	Oct. 17	1929.....	April 14	Nov. 22
1890.....	April 19	Oct. 22	1930.....	April 24	Oct. 21
1891.....	May 6	Oct. 25	1931.....	April 12	Nov. 7
1892.....	April 25	Oct. 27	1932.....	April 17	Nov. 4
1893.....	April 26	Oct. 17	1933.....	April 23	Oct. 26
1894.....	April 12	Oct. 16	1934.....	April 5	Oct. 13
1895.....	April 11	Oct. 11	1935.....	April 18	Oct. 8
1896.....	April 9	Oct. 9	1936.....	May 16	Oct. 13
1897.....	April 21	Oct. 31	1937.....	April 3	Oct. 15
1898.....	April 27	Oct. 17	1938.....	April 11	Nov. 16
1899.....	April 6	Oct. 3	1939.....	April 17	Oct. 18
1900.....	May 11	Oct. 20	1940.....	April 22	Oct. 19
1901.....	Mar. 31	Oct. 26	1941.....	April 12	Oct. 26
1902.....	Mar. 26	Oct. 22	1942.....	April 14	Sept. 29
1903.....	April 6	Oct. 22	1943.....	April 16	Oct. 11
1904.....	April 20	Oct. 28	1944.....	May 19	Oct. 16
1905.....	April 19	Oct. 26	1945.....	April 23	Nov. 21
1906.....	April 3	Oct. 12	1946.....	April 1	Nov. 16
1907.....	April 21	Oct. 22	1947.....	April 28	Nov. 11
1908.....	April 21	Nov. 2			
1909.....	April 29	Oct. 20			
1910.....	Mar. 19	Oct. 31			
1911.....	April 18	Oct. 8			

Average date last killing frost in spring, April 17. Latest date, May 19, 1944.

Average date first killing frost in autumn, October 24. Earliest, September 26, 1879.

Prevailing Wind Movement

Wind	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
North.....	{ per cent of time.		11	9	8	8	6	6	6	9	8	10	8
	{ hourly velocity..		11	11	11	10	9	7	8	8	10	10	9.6
Northeast.....	{ per cent of time.		5	6	8	9	10	8	7	8	9	7	7
	{ hourly velocity..		12	12	12	12	10	10	8	9	10	11	10.6
East.....	{ per cent of time.		4	5	9	13	15	14	13	11	8	6	10
	{ hourly velocity..		11	9	10	10	9	8	8	8	8	10	9.1
Southeast.....	{ per cent of time.		4	5	6	7	7	6	7	8	7	5	6
	{ hourly velocity..		9	9	9	9	9	8	7	7	8	8	8.3
South.....	{ per cent of time.		5	6	7	8	10	10	10	9	9	10	8
	{ hourly velocity..		10	9	10	11	10	8	9	8	9	10	9.3
Southwest.....	{ per cent of time.		18	15	16	16	21	24	29	25	22	21	20
	{ hourly velocity..		11	11	11	12	10	10	10	9	10	11	10.6
West.....	{ per cent of time.		28	26	23	19	17	19	18	16	15	21	21
	{ hourly velocity..		12	12	12	12	10	7	8	8	9	10	10.4
Northwest.....	{ per cent of time.		25	28	23	20	14	13	10	15	18	20	20
	{ hourly velocity..		12	13	13	12	11	11	9	9	10	11	11.1
Prevailing direction.....	W.	nw.	W.	nw.	sw.	sw.	sw.	sw.	sw.	W.	W.	W.	W.

Based on 30 years records, 1918-47: Calm is not included in the above table because the percent of time is less than $\frac{1}{2}$ of 1.

